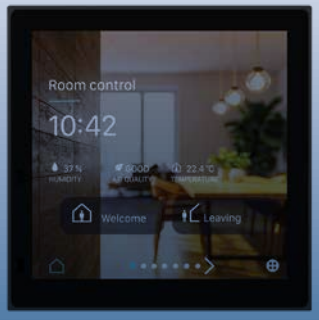
theben

High quality
Reliable
Flexible

Product catalogue 2026















Building Automation since 1921

ReShape

A clear signal for resource conservation

Theben is now starting to switch selected housing components to recycled materials. The new material consists of high-quality, recycled industrial plastic. The first step is being taken with digital time switches, with other product areas to follow gradually.



The quality of the products remains completely unchanged: technically sophisticated components, transparent parts and switch mats will continue to be made from primary material. In future, the housing components will consist of up to 93% recycled plastic.

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The Theben brand
and what makes it special
since 1921

Since its founding in 1921, Theben AG has been committed to developing products that support the efficient use of energy. What began with the invention of the "ELPA" Staircase time switches switch by company founder Paul Schwenk in 1921 has developed into a wide range of products for the conscious use of energy resources.

Theben products are reliable and of high quality.

Theben products reliably detect the environment.



This is a topic that has taken on a new, almost existential urgency as a result of the dramatic development in gas and electricity prices. Paul Sebastian Schwenk, great-grandson of the company founder and CEO of Theben AG, believes that the building sector has a particular responsibility when it comes to saving energy. With a few exceptions, the entire product range is manufactured in Germany – at the company's headquarters in Haigerloch. In production itself, 100% final inspection ensures that each of our products leaves our company in perfect condition.

All these factors combined give our customers the certainty of having a reliable, consistent partner at their side who is open to new ideas: a leading premium provider of intelligent solutions for energy saving and increased comfort in buildings. That is what the Theben brand stands for.

Theben products connect flexibly and securely.

Products from Theben manage energy according to demand.



Smart devices

Time switch technology

→ Time switches

→ Astro time switches





Climate control

→ Clock thermostats

→ Room thermostats





Lighting control

→ Dimming

→ Staircase time switches

→ Impulse switch

→ Twilight switch





→ Conventional indoor detector





→ Outdoor detector

→ LED spotlight

→ LED design lights





Building automation

KNX Actuators and sensors

→ Actuators for switching, dimming, heating, co-oling, shading

→ Sensors such as detec-tors, weather stations, room temperature con-trollers





KNX

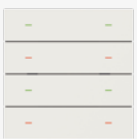
DALI 2

BlueRange

KNX Controls

→ Touch sensors





Time display



KNX System devices

→ Power supplies

→ Line couplers

→ Media couplers

→ IP router







KNX gateways & interfaces

→ KNX

→ DALI





Home automation

LUXORliving Actuators and sensors

- → Actuators for switching, dimming, heating, cooling, shading
- → Sensors such as detectors, weather stations, room temperature controllers



LUXORliving Controls

- → Touch sensors
- → Touch Panel
- → App





BLE Mesh

- → Dimming



LUXORliving System devices

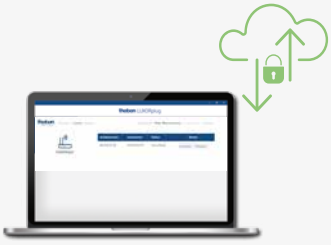
- → Power supplies
- → Media couplers
- → System control centers





LUXORliving Gateways & interfaces

- → Cloud
- → DALI

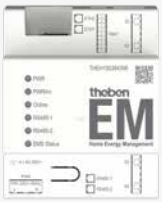




Energy solutions

Control & Services

- → HEMS Home Energy management
- → Extensions such as KNX Net IP and MQTT





Smart Energy Infrastructure

- → Smart meter gateways
- → Intelligent metering systems

KNX gateways & interfaces

- → EDAus / KNX
- → EDAus / Modbus TCP
- → §14a Signal / SG ready

theben smart energy

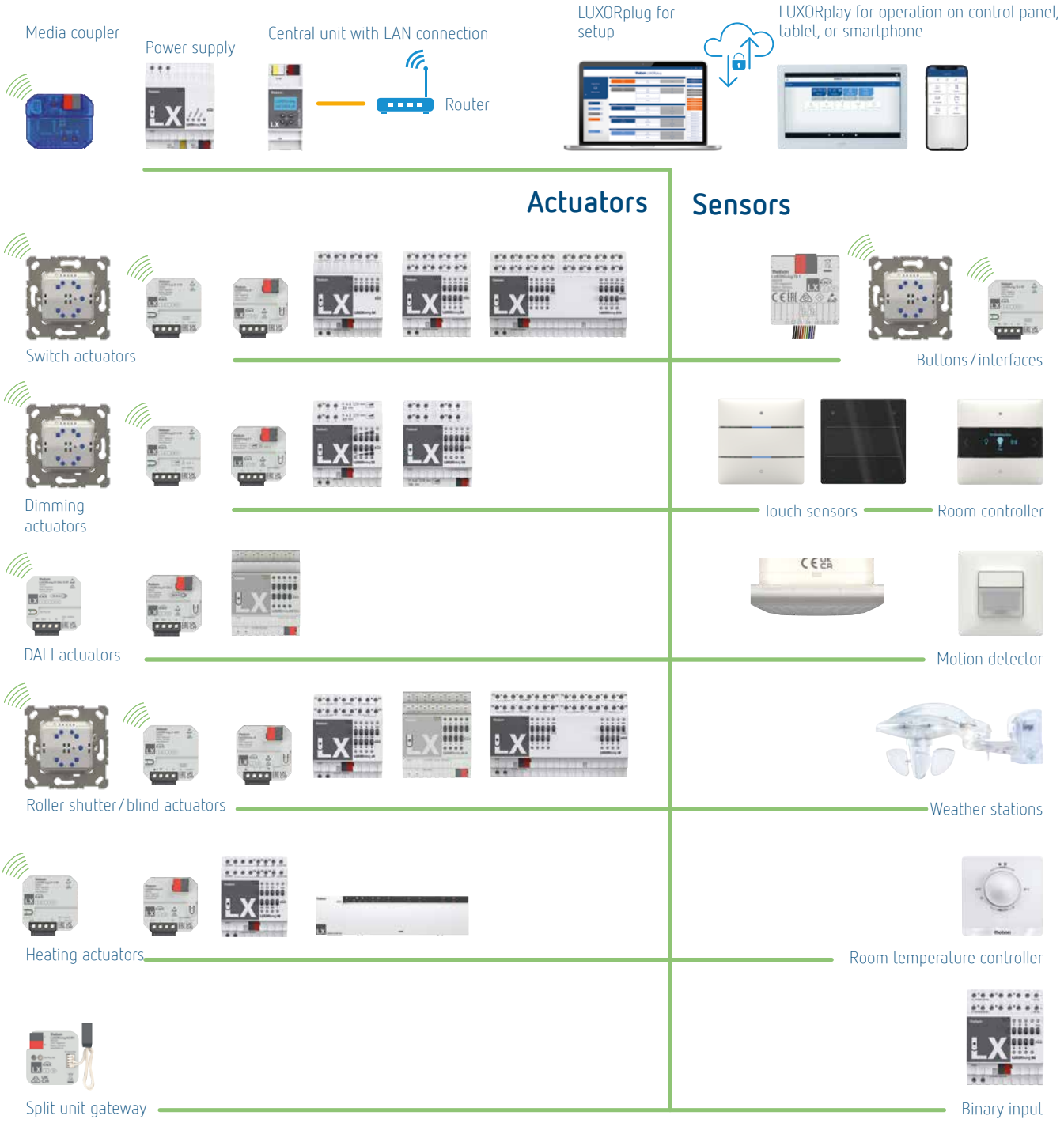


LUXORliving Smart Home as
Wired system

BUS

→ Wired system with the option of wireless expansion
→ Up to 128 wired and 64 radio devices with up to 900 functions can be controlled

System devices



LUXORliving wireless system with SMARTstart system control center

→ Wireless system for retrofitting existing buildings without KNX bus wiring
→ Up to 30 RF devices with up to 30 functions can be controlled.

System device



Router



LUXORplug for setup

LUXORplay for operation on control panel, tablet, or smartphone

* Access via the cloud will be available shortly.

WIRELESS INTERNET ACCESS



System control center LUXORliving SMARTstart

KNX-RF

Wireless components



DALI actuator



Dimming actuators



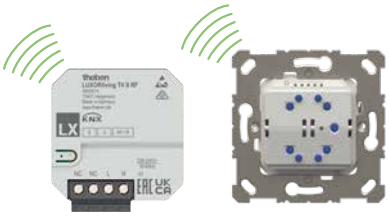
Switch actuators



Roller shutter/blind actuators



Heating actuators



Buttons/interfaces



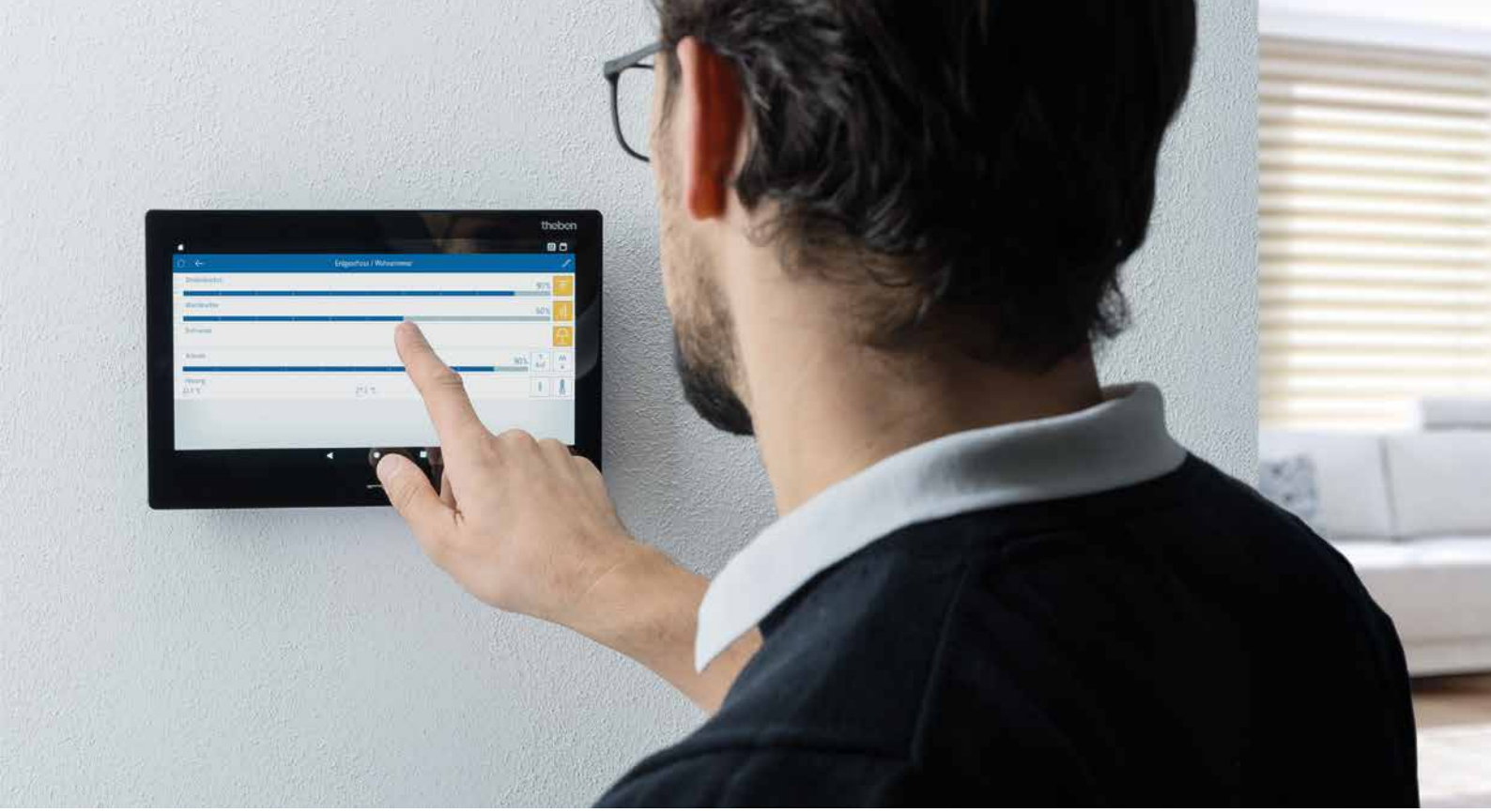
Touch sensors and room controllers
iON G series
with elegant glass front

The proven **iON series** from Theben is expanding: the new iON push-button sensors and room controllers **with a flat glass design** in black and white are now available. The devices are available for both KNX building automation and the LUXORliving Smart Home System – and offer maximum data security thanks to KNX Data Secure.

Theben iON KNX push buttons and room controllers with integrated temperature sensors enable various functions in KNX installations to be triggered at the touch of a button. For example

- → Switching lights on/off and dimming them
- → Adjusting light colors and calling up lighting scenes
- → Raise and lower blinds
- → Triggering and saving user-specific scenes
- → Operating central or group functions





Control Panel
LUXORliving CP10
Central control for LUXORliving

The new 10" touch panel makes controlling LUXORliving even more intuitive and convenient. The device offers a central operating and display option for the smart home system and comes with the LUXORplay app pre-installed.

- → **Intuitive operation** of all LUXORliving functions via the large touch display
- → Door **communication** integration possible
- → In systems with multiple panels, these can be used as **an intercom system**
- → **IP camera display:** Direct integration of HikVision IP cameras
- → **Bluetooth pairing** for hearing aids possible (AAL)
- → **Flexible power supply:** Via PoE or 12V



Practical orientation light: The panel has a "downlight" – indirect lighting on the underside that can also be switched on and off by a time switch.

Home and building automation
LUXORliving Smart Home System

	Function type	Type	page
LUXORliving sets			
	LUXORliving sets	LUXORliving Set 2	14
		LUXORliving Set 3	14
		LUXORliving Set 4	14
LUXORliving SMARTstart control center			
	Control center	LUXORliving SMARTstart	14
LUXORliving system control center			
	System center	LUXORliving IP1	14
LUXORliving Power Supply			
	Power supply	LUXORliving P640	14
LUXORliving Switch Actuators DIN-rail			
	Switch actuators	LUXORliving S4 / LUXORliving S8 / LUXORliving S16	15
	Dimming actuators	LUXORliving D2 /LUXORliving D4	15
	DALI actuators	LUXORliving D4 DALI	15
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	Heating and climate control	LUXORliving H6	16
LUXORliving Heating Actuator Heating Circuit Distributor			
	Heating and climate control	LUXORliving H6 24V	16
LUXORliving flush-mounted switching actuators			
	Switch actuators	LUXORliving S1 / LUXORliving S1 S RF	16
	Dimming actuators	LUXORliving D1 / LUXORliving D1 S RF	17
	DALI actuators	LUXORliving D1 DALI / LUXORliving D1 DALI S RF	17
	Blind actuators	LUXORliving J1 / LUXORliving J1 S RF	17
	Heating actuators	LUXORliving H1 / LUXORliving H1 S RF	17
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LUXORliving wireless push-button interface UP			
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	Function type	Type	page
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LUXORliving BI360			
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LUXORliving motion detector, wall mounting			
	Motion detector wall	LUXORliving BI180 WH	19
LUXORliving touch sensors			
	2-way push button sensors	LUXORliving iON2	19
	4-way push button sensors	LUXORliving iON4	19
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	Room controller	LUXORliving iON8	20
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LUXORliving Temperature Controller			
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LUXORliving weather station			
	Weather station	LUXORliving M140	21
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	Weather station	LUXORliving M100	21
LUXORliving weather station			
	Weather station	LUXORliving M130	21
LUXORliving control center			
	Control center	LUXORliving CP10	21

LUXORliving sets



- LUXORliving lighting package, consisting of: LUXORliving IP1 system control center, LUXORliving P640 power supply, LUXORliving S8 switch actuator, LUXORliving D4 dimmer actuator, 2x LUXORliving T4.1 push button interfaces
- LUXORliving drive and lighting package, consisting of: LUXORliving IP1 system control center, LUXORliving P640 power supply, LUXORliving M140 weather station, LUXORliving S8 switching actuator, LUXORliving D4 dimming actuator, LUXORliving J8 blind actuator, 4x LUXORliving T4.1 push-button interface LUXORliving basic drive package, consisting of: LUXORliving IP1 system control center, LUXORliving P640 power supply, LUXORliving J8 blind actuator, 4x LUXORliving T4.1 push-button interface

Type	Art.-No.	SD	CE
LUXORliving Set Lighting	4990011	-	-
LUXORliving Set Drives+Lighting	4990012	-	-
LUXORliving Set Drives basic	4990013	-	-

LUXORliving SMARTstart control center



- Control center for LUXORliving SMARTstart and room controller for 30 functions
- WLAN interface for communication with LUXORplug commissioning software and LUXORplay operating app
- KNX-RF interface for controlling the LUXORliving radio actuators or push-button actuator modules
- The KNX radio system LUXORliving Smart Start does not require any system devices such as media couplers or power supply in the distribution box and, above all, no ETS
- Up to 30 wireless actuators or push-button actuator modules can be integrated
- Available functions: switching, dimming (including DALI), blind control, room climate control
- Integrated time switch with astro function
- Encrypted communication within the system (KNX Data Secure)
- Remote control optionally possible via the secure Theben cloud
- Can be integrated into Amazon Alexa, Google Home, and IFTTT via the Theben cloud

Type	Art.-No.	SD	CE
LUXORliving SMARTstart	4800000	131	148

LUXORliving system control center



- System control center LUXORliving
- With Ethernet and bus interface
- For commissioning the LUXORliving system via LUXORplug software
- Storage of project data for visualization via LUXORplay app
- LUXORplay app available in Google Play and the App Store, Windows version available for download

Type	Art.-No.	SD	CE
LUXORliving IP1	4800495	131	-

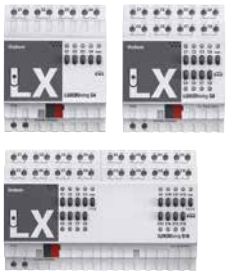
LUXORliving Power Supply



- Power supply 640 mA LUXORliving
- 30 V DC auxiliary voltage
- Power supply and monitoring of system voltage

Type	Art.-No.	SD	CE
LUXORliving P640	4800990	131	-

LUXORliving Switch Actuators DIN-rail



- Switching actuator LUXORliving
- LED switching status display for each channel
- Manual operation on the device (even without bus voltage)
- Switching functions: e.g., on/off, pulse, on/off delay, staircase lighting with advance warning

Number of channels	LED lamp	Width	Type	Art.-No.	SD	CE
4	600 W	4 modules	LUXORliving S4	4800420	131	148
8	600 W	4 modules	LUXORliving S8	4800425	131	148
16	600 W	8 modules	LUXORliving S16	4800429	131	148

LUXORliving dimming actuators DIN-rail



- LUXORliving dimming actuator
- For dimmable LED, incandescent, and halogen lamps, energy-saving lamps, and dimmable transformers
- Easy adaptation to different light sources thanks to automatic load detection
- Optimized for dimmable retrofit LED lamps
- LED switching status display for each channel
- Manual operation on the device

Number of channels	LED lamp	Width	Type	Art.-No.	SD	CE
2	400 W	4 modules	LUXORliving D2	4800470	131	148
4	400 W	4 modules	LUXORliving D4	4800475	131	148

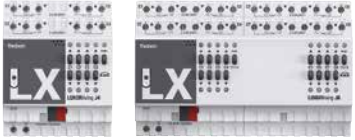
LUXORliving DALI actuator DIN-rail



- 4-way DALI actuator LUXORliving, DALI-2 certified
- Interface between bus system and DALI lighting system (Digital Addressable Lighting Interface)
- For controlling up to 30 DALI control gear devices per channel via broadcast commands
- Enables very simple commissioning without the effort of addressing or grouping on the DALI side
- Even in the event of a fault, DALI control gear can be easily replaced without further programming
- Internal DALI power supply with 60 mA output current per channel
- In addition to classic functions such as switching, dimming, and scenes, the DALI actuator also offers color and color temperature control (Device Type 8)

Type	Art.-No.	SD	CE
LUXORliving D4 DALI	4800300	131	148

LUXORliving blind actuators DIN-rail



- Blind actuator LUXORliving
- For controlling drives for blinds, roller shutters, sun protection, and privacy protection devices
- Manual operation on the device (even without bus voltage)
- LED switching status indicator Up and Down for each channel

Number of channels	Width	Type	Art.-No.	SD	CE
4	4 modules	LUXORliving J4	4800450	131	148
8	8 modules	LUXORliving J8	4800455	131	149

LUXORliving blind actuator DIN-rail



- 4-way blind actuator LUXORliving
- With integrated inputs for push buttons, as a replacement for the drive control of the LUXOR home comfort control system
- Enables easy system changeover for existing LUXOR customers to LUXORliving
- For controlling drives for blinds, roller shutters, sun protection, and privacy protection devices
- Manual operation on the device (even without bus voltage)
- LED switching status indicator Up and Down for each channel
- Features 8 relay outputs for 4 drives (up/down), 4 inputs for individual drive control (230V), 2 inputs for central and group control (230V)
- The relay outputs are not potential-free or potential-independent, but are supplied by the supply voltage
- This means that all actuators connected to the actuator are controlled via the same phase. This must be taken into account when switching from LUXOR to LUXORliving

Number of channels	Width	Type	Art.-No.	SD	CE
4	4 modules	LUXORliving J4-6	4800451	131	149

LUXORliving heating actuator DIN-rail



- 6-way heating actuator LUXORliving
- For controlling 6 thermal actuators 24–240 V AC in 2 groups with 3 outputs and 450 mA each
- Valve protection
- LED switching status display for each channel
- Manual operation on the device

Number of channels	LED lamp (phase section)	Width	Type	Art.-No.	SD	CE
6		4 modules	LUXORliving H6	4800440	131	149

LUXORliving Heating Actuator Heating Circuit Distributor



- LUXORliving heating actuator for controlling thermal actuators
- Actuator control selectable per channel: switching 24 V DC or continuous 0–10 V DC
- Integrated relay for demand-driven control of the heating circuit pump
- Each channel has its own temperature control
- Installation directly in the heating circuit distributor
- Screwless plug-in terminal technology
- Integrated power supply for max. 12 thermal actuators
- Continuous or switching control variable selectable
- Integrated valve protection
- Manual operation on the device

Number of channels	Width	Type	Art.-No.	SD	CE
6	290 mm	LUXORliving H6 24V	4800441	131	149

LUXORliving flush-mounted switching actuators



- 1-way switch actuator UP LUXORliving
- Secure commissioning and communication through encryption (RF)
- Easy installation thanks to particularly compact housing
- 2 binary inputs for potential-free contacts such as buttons, switches, window contacts, temperature sensors (input I2, with accessories 9070321, 9070459, 9070496 – see pages 120/121)
- Integrated temperature monitoring for increased operational safety, e.g. in case of overload
- The binary inputs are assigned to the output ex works (function test before programming)
- Adjustable properties: Normally open/normally closed, switching, delay, pulse function

Number of channels	LED lamp	Design	Type	Art.-No.	SD	CE
1	600 W	Actuator TP	LUXORliving S1	4800520	131	149
1	600 W	Wireless actuator RF	LUXORliving S1 S RF	4800621	132	149

LUXORliving flush-mounted dimming actuators




- 1-way universal dimming actuator UP LUXORliving
- Optimized dimming output for dimmable energy-saving lamps, LEDs, incandescent and halogen lamps, and dimmable transformers
- Easy adaptation to different light sources thanks to automatic load detection
- Secure commissioning and communication through encryption (RF)
- Easy installation thanks to particularly compact housing
- 2 binary inputs for potential-free contacts such as buttons, switches, window contacts, temperature sensors (input I2, with accessories 9070321, 9070459, 9070496 – see pages 120/121)
- Integrated temperature monitoring for increased operational safety, e.g. in case of overload
- The binary inputs are assigned to the output ex works

Number of channels	LED lamp	Design	Type	Art.-No.	SD	CE
1	250 W	Actuator TP	LUXORliving D1	4800570	131	149
1	250 W	Wireless actuator RF	LUXORliving D1 S RF	4800671	132	149

LUXORliving DALI actuators flush-mounted




- 1-way DALI actuator UP LUXORliving
- DALI-2 certified
- Interface between the DALI and the KNX bus system
- Simple commissioning of up to 30 ECGs in broadcast mode
- Control of RGB, RGBW, Tunable White or conventional luminaires
- DT-8 luminaire support
- Easy replacement of ECGs in the event of a fault
- Universal mounting thanks to the compact housing
- Secure commissioning and communication through encryption (RF)
- 2 binary inputs for potential-free contacts such as buttons, switches, window contacts, temperature sensors (input I2, with accessories 9070321, 9070459, 9070496 – see pages 120/121)
- The binary inputs are assigned to the output ex works
- Integrated temperature monitoring for increased operational safety, e.g. in case of overload

Number of channels	Design	Type	Art.-No.	SD	CE
1	Actuator TP	LUXORliving D1 DALI	4800580	131	150
1	Wireless actuator RF	LUXORliving D1 DALI S RF	4800681	132	150

LUXORliving blind actuators flush-mounted




- 1-way blind actuator flush-mounted LUXORliving
- For controlling drives for blinds, roller shutters, sun and privacy protection devices, skylights, and ventilation flaps
- Secure commissioning and communication through encryption (RF)
- Easy installation thanks to particularly compact housing
- 2 binary inputs for potential-free contacts such as buttons, switches, window contacts, temperature sensors (input I2, with accessories 9070321, 9070459, 9070496 – see pages 120/121)
- Integrated temperature monitoring for increased operational safety, e.g. in case of overload
- The binary inputs are assigned to the output ex works (function test before programming)

Number of channels	Design	Type	Art.-No.	SD	CE
1	Actuator TP	LUXORliving J1	4800550	131	150
1	Wireless actuator RF	LUXORliving J1 S RF	4800651	132	150

LUXORliving heating actuators flush-mounted




- 1-way heating actuator UP LUXORliving
- Silent control of thermal actuators 230 V AC
- Integrated temperature controller for heating/cooling
- Valve protection function
- Secure commissioning and communication through encryption (RF)
- Easy installation thanks to particularly compact housing
- 2 binary inputs for potential-free contacts such as buttons, switches, window contacts, temperature sensors (input I2, with accessories 9070321, 9070459, 9070496 – see pages 120/121)
- Integrated temperature monitoring for increased operational safety, e.g. in case of overload
- The binary inputs are assigned to the output ex works (function test before programming)
- Optional ALPHA 5 230 V actuator (9070440) see page 127

Number of channels	Design	Type	Art.-No.	SD	CE
1	Actuator TP	LUXORliving H1	4800540	131	150
1	Wireless actuator RF	LUXORliving H1 S RF	4800641	132	150

LUXORliving actuators flush-mounted for electric heating systems




- 1-way actuator for electric heating systems LUXORliving
- For direct connection of electric heaters with high switching capacity
- Integrated temperature controller for heating/cooling
- Temperature controller can also be configured as an additional stage
- Secure commissioning and communication through encryption (RF)
- Easy installation thanks to particularly compact housing
- 2 binary inputs for potential-free contacts such as buttons, switches, window contacts, temperature sensors (input I2, with accessories 9070321, 9070459, 9070496 – see pages 120/121)
- Integrated temperature monitoring for increased operational safety, e.g. in case of overload
- The binary inputs are assigned to the output ex works (function test before programming)

Number of channels	Design	Type	Art.-No.	SD	CE
1	Actuator TP	LUXORliving E1	4800542	131	150
1	Wireless actuator RF	LUXORliving E1 S RF	4800642	132	150

LUXORliving wireless push-button interface UP



- 4-way radio push-button interface flush-mounted
- Secure commissioning and communication through encryption
- 4 binary inputs for potential-free push buttons and signal contacts
- 1 additional input for temperature sensor
- Free assignment of the functions switching, dimming, blinds, temperature measurement, and transmission
- Easy installation thanks to particularly compact housing
- Can be used with 4-way push button module

Number of channels	Type	Art.-No.	SD	CE
4	LUXORliving T4 S RF	4800614	132	151

LUXORliving media coupler flush-mounted



- Connects LUXORliving RF devices on a radio line to the twisted pair bus
- Power supply via KNX bus voltage
- Supports long frames for "KNX Secure" and enables faster parallel download of large applications
- Ranges of up to 30 m within the building are possible
- Has a repeater function, i.e. received telegrams are resent to increase the range

Type	Art.-No.	SD	CE
LUXORliving RF1	4800868	132	150

LUXORliving push button/actuator combinations



- LUXORliving push-button actuator modules for various functions (operation, switching, dimming, blinds), KNX RF
- 4 push buttons
- Universally applicable in many 55 mm switch ranges
- Quick and easy conversion of conventional installations
- 1-way or 2-way rockers as separate accessories are essential (item numbers 9080026, 9080027)
- Secure commissioning and communication through
- Support for KNX Data Secure
- LUXORliving PB 4 RF: Integrated temperature sensor

Number of channels	Design	LED lamp	Type	Art.-No.	SD	CE
1	Flush-mounted RF switch actuator with 4 push buttons	600 W	LUXORliving PS 1 RF	4800625	132	150
1	Flush-mounted blind actuator RF with 4 push buttons	-	LUXORliving PJ 1 RF	4800655	132	151
1	Flush-mounted RF dimming actuator with 4 push buttons	250 W (RC mode)	LUXORliving PD 1 RF	4800675	132	151
1	Flush-mounted RF push button with 4 push buttons	-	LUXORliving PB 4 RF	4800615	132	-
			Single rocker switch WH	9080026	-	-
			2-way rocker switch WH	9080027	-	-

LUXORliving split unit gateway flush-mounted



- Easy-to-set-up split unit gateway LUXORliving with large database of split unit devices
- Currently, over 500 different split unit devices/remote controls are available in the database and can be controlled via LUXORliving
- The database is regularly expanded

Type	Art.-No.	SD	CE
LUXORliving AC IR1	4800320	132	-

LUXORliving motion detector for ceiling mounting



- Motion detector (PIR) for ceiling mounting indoors or outdoors
- Round detection range 360°, Ø 12 m (113 ft²) at 3 m mounting height
- Mixed light measurement
- Integrated temperature sensor
- Extension of the detection range through parallel connection
- Adjustable sensitivity
- Surface mounting possible with accessories (9080019, 9080020, 9080021 – see page 120)

Mounting type	Protection class	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted	IP 54	White	LUXORliving BI360 WH	4800355	132	-	126

LUXORliving motion detector, wall mounting



- Motion detector (PIR) for wall mounting indoors Rectangular detection area 170°, 14 x 17 m (238 m²) at 1.2 m mounting height
- Mixed light measurement suitable for fluorescent lamps (FL/PL/ESL), halogen/incandescent lamps, and LEDs
- Integrated temperature sensor
- Integrated push button
- Extension of the detection range through master/slave circuit
- Adjustable sensitivity
- With Theben cover frame
- Also suitable for many common switch ranges (with accessories)

Mounting type	Protection class	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted	IP 20	White	LUXORliving BI180 WH	4800350	132	-	124

LUXORliving touch sensors



NEW

- Touch sensor with integrated temperature sensor
- Control of switching, dimming, blind, and scene functions in the LUXORliving system
- Multicolor status LEDs
- Automatic brightness control of the status LEDs depending on the ambient brightness
- Integrated temperature sensor for room temperature control with LUXORliving heating actuators
- Vertical mounting of two iON push buttons on standard double box with accessories possible (standard combination distance 71 mm)
- Transparent cover for individual labeling included in delivery
- Surface mounting possible with separate accessories (9080024/9080025 – see page 122)

Material	Color	Buttons	Type	Art.-No.	SD	CE
Plastic	White, similar to RAL 9016	2 buttons, 2 status LEDs	LUXORliving iON2	4800412	133	-
		4 buttons, 4 status LEDs	LUXORliving iON4	4800414	133	-
	Black, similar to RAL 9005	2 buttons, 2 status LEDs	LUXORliving iON2 BK	4801412	133	-
		4 buttons, 4 status LEDs	LUXORliving iON4 BK	4801414	133	-
	Silver, similar to RAL 9006	2 buttons, 2 status LEDs	LUXORliving iON2 SR	4802412	133	-
		4 buttons, 4 status LEDs	LUXORliving iON4 SR	4802414	133	-
Glass	White, similar to RAL 9016	2 buttons, 2 status LEDs	LUXORliving iON2 G WH	4803412	133	-
		4 buttons, 4 status LEDs	LUXORliving iON4 G WH	4803414	133	-
	Black, similar to RAL 9005	2 buttons, 2 status LEDs	LUXORliving iON2 G BK	4804412	133	-
		4 buttons, 4 status LEDs	LUXORliving iON4 G BK	4804414	133	-

LUXORliving Room Controller



NEW

- Room controller with integrated room temperature controller
- LC display for showing functions, icons, and values
- 10 freely configurable functions
- Display of various icons for the respective functions
- Control of switching, dimming, blinds, scene, and temperature control functions
- Automatic brightness control of the display depending on the ambient brightness
- Vertical mounting of two iON push buttons on standard double box with accessories possible (standard combination distance 71 mm)
- Surface mounting possible with separate accessories (9080024/9080025 – see page 122)

Material	Color	Type	Art.-No.	SD	CE
Plastic	White, similar to RAL 9016	LUXORliving iON8	4800418	133	-
	Black, similar to RAL 9005	LUXORliving iON8 BK	4801418	133	-
	Silver, similar to RAL 9006	LUXORliving iON8 SR	4802418	133	-
Glass	White, similar to RAL 9016	LUXORliving iON8 G WH	4803418	133	-
	Black, similar to RAL 9005	LUXORliving iON8 G BK	4804418	133	-

LUXORliving binary input DIN-rail



- 6-way binary input LUXORliving
- 6 potential-free universal and wide-range voltage inputs (10-240 V AC/DC or internally generated auxiliary voltage of approx. 12 V DC)
- Software functions: Switch/button, dimming, blinds
- LED switching status display for each channel
- Manual operation on the device

Number of channels	Width	Type	Art.-No.	SD	CE
6	4 modules	LUXORliving B6	4800430	131	151

LUXORliving binary inputs/push button interfaces UP



- Binary input push button interface LUXORliving
- Can be installed in flush-mounted boxes with conventional push buttons/switches
- Software functions: Switch/button, dimming, blinds
- Connectable cable length up to 30 m
- LUXORliving T4.1/LUXORliving T8.1: 2 NTC inputs (100K/25°C) for temperature detection (with accessories 9070321, 9070459, 9070496)

Number of channels	Type	Art.-No.	SD	CE
2	LUXORliving T2.1	4800403	133	151
4	LUXORliving T4.1	4800405	133	151
8	LUXORliving T8.1	4800409	133	151

LUXORliving Temperature Controller



- LUXORliving single room temperature controller
- Setting range 5 - 30°C
- Possible applications: Heating via radiator or underfloor heating, heating and cooling, e.g., radiator and cooling ceiling
- Integrated 4-way button interface

Type	Art.-No.	SD	CE
LUXORliving R718	4800480	133	151

LUXORliving weather station



- Combination sensor/weather station LUXORliving
- For detecting wind, rain, brightness, and temperature
- Rain sensor with heating
- For fully automatic blind and sun protection control
- Data collection and evaluation directly in the device
- Sun protection for up to four facades thanks to 3 integrated brightness sensors
- Display of weather data, e.g., with the LUXORliving app "LUXORplay"

Operating voltage	Type	Art.-No.	SD	CE
110-230 V AC	LUXORliving M140	4800490	133	-
24 V DC	LUXORliving M140 24V	4800493	133	-

LUXORliving Weather Sensor



- Combination weather sensor for use with the LUXORliving M130 weather station
- Forwarding of measured values to up to 20 LUXORliving M130 weather stations
- For recording wind, rain, temperature, and brightness (3 directions)
- Rain sensor with heating

Type	Art.-No.	SD	CE
LUXORliving M100	4800491	133	-

LUXORliving weather station



- Weather station for use with the LUXORliving M100 weather sensor
- Reception and evaluation of the measured values of a LUXORliving M100 weather sensor
- Evaluation of wind, rain, temperature, and brightness (3 directions)
- For fully automatic blind and sun protection control
- Sun protection for up to 4 facades
- Display of weather data, e.g., with the LUXORliving app "LUXORplay"

Type	Art.-No.	SD	CE
LUXORliving M130	4800492	136	-

LUXORliving control center



NEW

- Control center for LUXORliving and indoor station for video/intercom systems
- Also suitable for the LUXORliving SMARTstart wireless system
- High-resolution 1024 x 600 pixel 10" HD LCD color display with touchscreen
- For combination with video/intercom systems from Metzler and Hikvision
- Integrated microphone and speaker
- Integrated LUXORplay app
- Communication via WLAN or Ethernet
- Power supply via PoE, 12 V via separate power supply also possible
- Compact dimensions of only 256 x 167 x 28 mm

Color	Type	Art.-No.	SD	CE
White	LUXORliving CP10 WH	4809000	-	-
Black	LUXORliving CP10 BK	4809001	-	-



iONprime PB push-button

Overview Types, colors, and materials

Brushed brass

9080058 9080065 9080072

Brushed aluminium

9080057 9080064 9080071

Black metal (matt)

similar . RAL 9004

9080059 9080066 9080073

White metal (matt)

similar . RAL 9016

9080060 9080067 9080074

Plastic Black

similar . RAL 9004

9080062 9080069 9080076

Plastic white

similar . RAL 9016

9080061 9080068 9080075

Plastic gray

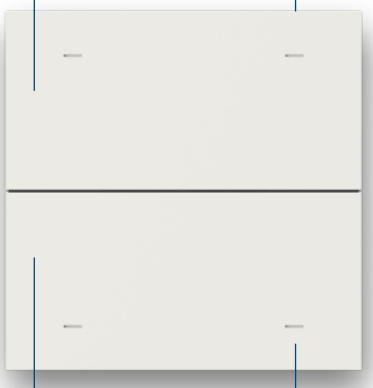
similar . RAL 7044

9080063 9080070 9080077

Features at a glance

Sensor for temperature, humidity (relative), IAQ (Indoor Air Quality), proximity, and brightness

1 base unit for all rockers



RGB LEDs per button

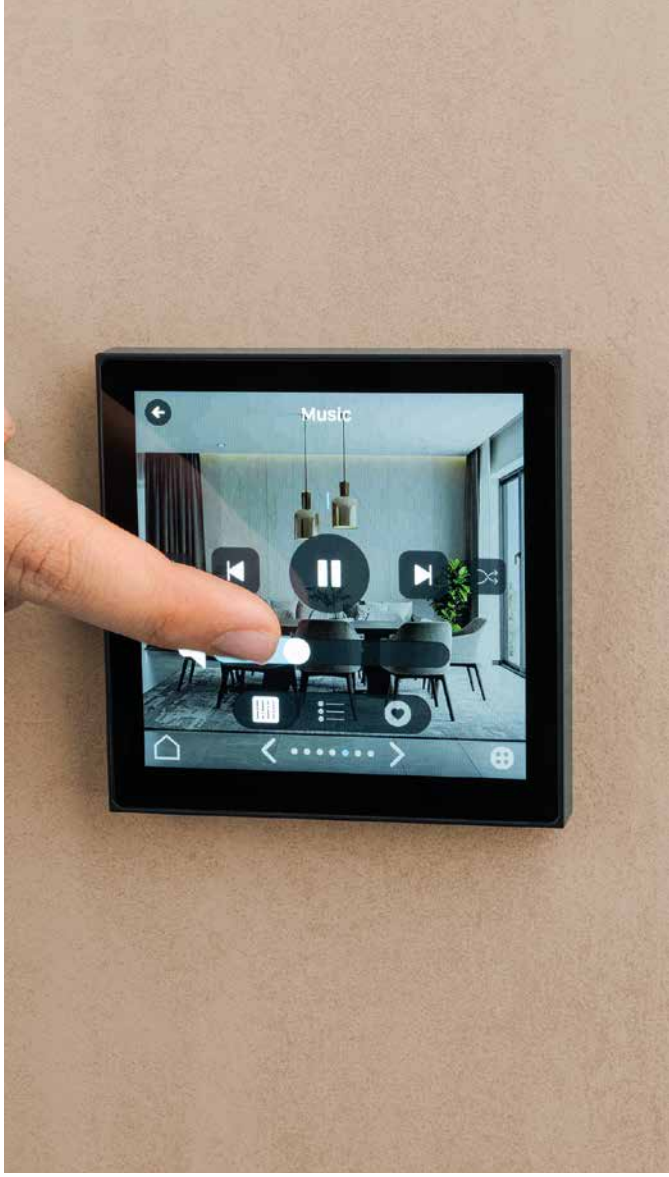
Rockers in 3 versions single, double, or quadruple to choose from in 7 colors or materials

iONprime

Push-button & room controller

For rooms that think for themselves

The iONprime series combines technological precision with architectural clarity. Whether as a touch sensor or room controller, the system blends harmoniously into any room concept with high-quality metal, aluminum, or brass surfaces and can be seamlessly integrated into KNX systems. Minimalist in design, maximum in function.

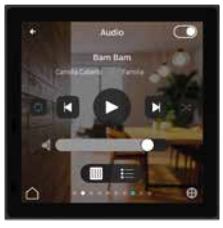


iONprime CP 4 Room Controller

Sample views







Features at a glance

Room controller for temperature, humidity (relative), proximity, and brightness

Screen resolution: 480 x 480 px



Maximum of 6 pages with 48 functions

Freely selectable background images

	Function type	Type	page
KNX system devices			
	Power supplies	PS 160 mA T KNX, PS 320 mA T KNX PS 640 mA T KNX PS 1280 mA T KNX	26
	Router / interface / line coupler	IPsecure Router KNX, IPsecure Interface KNX, USB KNX interface, Line coupler S KNX	26
KNX outdoor detector theLuxa KNX			
	Motion detector	theLuxa P300 KNX	27
Ceiling presence detector KNX			
	Presence detector	LUXA 103 KNX, thePiccola KNX, thePrema P360 KNX, thePrema S360 KNX, thePrema P360 KNX AP Multi, PlanoSpot KNX, theRonda P360 KNX, theRonda S360 KNX, theRonda S360 KNX, thePassa P360 KNX	27
Wall detector theMura KNX			
	Motion detector / presence detector	theMura S180 KNX UP WH, theMura P180 KNX UP WH, theMura P180 2.20 KNX UP WH	31
KNX switching actuators DIN-rail			
	Switch actuators	RMG 4 U KNX, RME 4 U KNX, RMG 8 S KNX, RME 8 S KNX, RM 4 U KNX, RM 8 S KNX, RM 8 S KNX, RMG 4 I KNX, RME 4 I KNX, RM 8 I KNX, RM 8 I KNX, RM 4 H KNX, RM 8 H KNX, RMG 8 S KNX, RME 8 S KNX, RM 16 T KNX, RM 16 T KNX	32
KNX dimming actuators DIN-rail			
	Dimming actuators	DMG 2 T KNX, DME 2 T KNX, DM 4 T KNX, DM 4 T KNX, DMB 1 T KNX, DM 4-2 T KNX, DM 8-2 T KNX	33
KNX Switch / Dimming Actuator DIN-rail			
	Switch / dimming actuator	SM 4 KNX	33
KNX-DALI gateways / actuators			
	Gateways	DALI gateway P64 KNX, DALI gateway S64 KNX, DALI gateway S128 KNX, DM 4 DALI KNX	33
KNX blind actuators DIN-rail			
	Blind actuators	JMG 4 T KNX, JME 4 T KNX, JM 4 T KNX, JM 8 T KNX, JMG 4 T 24V KNX, JME 4 T 24V KNX, JM 4 T 24V KNX, JM 8 T 24V KNX	34
KNX heating actuators			
	Heating actuators, actuators, fan coil actuators	HMG 6 T KNX, HME 6 T KNX, HM 12 T KNX, HM 12 T KNX, HMT 12 S KNX, HMT 6 S KNX, CHEOPS S KNX, FCA 1 KNX, FCA 2 KNX	35
KNX OpenTherm gateway			
	Gateways	KNX OT Box S	36
KNX split unit gateway			
	Heating and climate control	AC IR1 KNX	36

	Function type	Type	page
KNX actuators flush-mounted			
	Switching actuators, dimming actuators, DALI actuators, blind actuators, heating actuators, media couplers	SU 1 KNX, JU 1 KNX, DU 1 KNX, DU 1 DALI KNX, HU 1 KNX, EU 1 KNX, SU 1 RF S KNX, JU 1 RF S KNX, DU 1 RF S KNX, DU 1 DALI S RF KNX, HU 1 RF S KNX, EU 1 S RF KNX, media coupler TP-RF KNX, TU 4 RF S KNX, AC IR1 KNX,	36
KNX push button actuator modules			
	Push-button actuator modules	PS 1 RF KNX, PD 1 RF KNX, PJ 1 RF KNX, PB 4 RF KNX	38
KNX binary inputs DIN-rail			
	Binary inputs	BMG 6 T KNX, BME 6 T KNX, BM 6 T KNX, BM 12 T KNX	38
KNX binary inputs/push button interfaces flush-mounted			
	Binary inputs	TA 2.1 KNX, TA 4.1 KNX TA 6.1 KNX, TA 8.1 KNX	39
KNX push button sensors/room controllers			
		iONprine KNX/iON KNX	39
KNX room air sensor, single room temperature controller			
	Heating and climate control	AMUN 716 S KNX, RAMSES 718 P KNX RAMSES 718 S KNX	40
KNX weather station			
	Weather station, brightness sensors	Meteodata KNX	41
KNX brightness/temperature sensor, twilight switch			
	Weather station, brightness sensors	LUNA 131 S KNX, LUNA 133 KNX, LUNA 134 KNX	41
KNX Time switches			
	Digital time switches	TR 648 top3 RC KNX	42
KNX indoor clocks			
	Display units	OSIRIA KNX	43

KNX power supplies



- KNX power supplies
- 30 V DC auxiliary voltage
- Power supply and monitoring of the KNX system voltage
- Reset button for 20 sec. Bus reset
- Permanently short-circuit proof

KNX rated current	Width	Continuous short-circuit current	Type	Art.-No.	SD	CE
160 mA	4 modules	max. 0.5 A	PS 160 mA T KNX	9070956	133	-
320 mA	4 modules	max. 0.8 A	PS 320 mA T KNX	9070957	133	-
640 mA	4 modules	max. 1.4 A	PS 640 mA T KNX	9070958	133	-
1280 mA	4 modules	max. 3.0 A	PS 1280 mA T KNX	9070959	133	-

KNX surge protection



- Surge arrester in the form of a KNX bus terminal
- As fine surge protection in KNX or LUXORliving systems

Type	Art.-No.	SD	CE
US 1 KNX	9070848	-	-

KNX router/interface IP/KNX



- IPsecure Router KNX
- Router/interface/line coupler IP and KNX
- For data exchange between KNX and IP networks
- Support for KNX IP Secure
- Complies with the specifications of the KNXnet/IP standard
- Complete filter table for all main groups (0...31)
- Display of power failures on the bus (KNX IP service)
- Unicast: Up to 10 devices can communicate via unicast
- Tunneling: 5 tunneling servers available (visualization, app...)
- Firmware update possible (Theben IP Tool software)
- Power supply: 12–30 V DC/PoE - IEEE 802.3af class 1
- IPsecure Interface KNX
- IP and KNX interface
- Support for KNX IP Secure
- Complies with the specifications of the KNXnet/IP standard
- Tunneling: 5 tunneling servers available (visualization, app...)
- Firmware update possible (Theben IP Tool software)
- Power supply: 12–30 V DC/
- PoE - IEEE 802.3af class 1

Type	Art.-No.	SD	CE
IPsecure Router KNX	9070770	134	-
IPsecure Interface KNX	9070771	134	-

KNX interface/line coupler USB/KNX



- USB KNX interface
- For communication between the PC and the KNX system to be programmed
- Fast download of applications thanks to support for extended frames (from ETS 5)
- Support for KNX Data Secure
- Communication
- Line coupler Sec KNX
- Area coupler for connecting the KNX backbone (main line) to an area line (subline)
- Line coupler for connecting a zone line (main line) to a line (subline)
- Segment coupler for extending a line (main line) with additional segments (subline), only available with ETS 6
- Filter functions for group telegrams and physically addressed telegrams can be configured
- Filtering, forwarding, and blocking of encrypted and unencrypted telegrams regardless of commissioning as a KNX Data Secure product
- Secure proxy for secure data exchange between secure devices and devices that are not secured via KNX Secure, only available with ETS 6
- Project planning and commissioning of the device from ETS 4 when used as a zone coupler, line coupler, or line amplifier. With ETS 6 (recommendation from 6.1.0), additional use as a segment coupler and use of the Secure Proxy

Type	Art.-No.	SD	CE
USB KNX interface	9070397	133	-
Line coupler Sec KNX	9080048	134	-

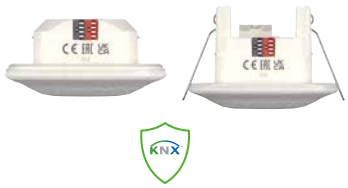
KNX outdoor detector theLuxa KNX



- Motion detector (PIR) for wall/ceiling mounting in outdoor areas
- Round detection range 360°, Ø 32 m at 2.5 m mounting height
- For KNX bus system, 4 motion channels and 4 universal channels, 4 logic channels
- 4 separate detection zones
- Extension of the detection range through master/slave or master/master parameterization
- Automatic lighting control with dimming or switching mode
- Standby functionality (orientation light)
- Can be operated as fully or semi-automatic
- Manual override via external KNX button possible
- Programmable time switch programs
- Brightness setpoint adjustable in lux
- Scene functionality, lock functions, tamper protection
- Sensor head can be rotated and tilted in 2 directions
- Teach-in function, test function
- Ready for immediate use thanks to factory presetting
- Adjustable detection sensitivity
- Mounting type: Surface mounting, also on EU flush-mounted box, corner mounting possible
- Adjustment via ETS software (full range of functions)
- Adjustment via remote control or potentiometer (limited range of functions)
- Restriction of the detection range with cover clips or parameters

Mounting type	Protection class	Color	Type	Art.-No.	SD	CE	DA
Wall/ceiling mounting	IP 55	White	theLuxa P300 KNX WH	1019610	135	-	129
		Black	theLuxa P300 KNX BK	1019611	135	-	129

Presence detector LUXA 103 S360-12 KNX



- Presence detector (PIR) for ceiling mounting indoors or outdoors
- 360° circular detection area, Ø 12 m (113m²) at 3 m mounting height
- For KNX bus system, 2 channels for lighting and 2 channels for presence for HVAC control
- 2 channels for lighting with 1 light measurement
- Automatic lighting control with constant light control or switching mode
- Dimmable lighting in switching mode with and without daylight influence
- Integrated temperature sensor
- Day/night switching via telegram
- Standby functionality (orientation light)
- 3 logic channels (AND/OR/XOR)
- KNX Data Secure
- Can be operated as fully or semi-automatic
- Manual override via external KNX button possible
- Directional brightness measurement (mixed light measurement)
- Easy adjustment of brightness measurement
- Short-term presence
- Selectable control speed
- Teach-in function
- Scene functionality
- Lock functions
- Switch-on delay and follow-up time Adjustable presence
- Extension of the detection range through parallel connection
- Detection sensitivity adjustable for outdoor use
- Test mode for checking function and detection range
- Adjustment via ETS software (full range of functions)
- Adjustment via remote control/app or app (BLE)

Mounting type	Detection area transverse	Protection class	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted	113 m² (ø 12 m | 360°)	IP 54	White	LUXA 103 S360-12 KNX UP WH	1039052	134	-	126
Ceiling-mounted	113 m² (ø 12 m | 360°)	IP 54	White	LUXA 103 S360-12 KNX DE WH	1039053	134	-	126

Presence detector LUXA 103 S360-28 KNX



- Presence detector (PIR) for ceiling mounting indoors or outdoors
- Rectangular detection area 360°, 28 x 5 m (140m²) at 3 m mounting height
- For KNX bus system, 2 channels for lighting and 2 channels for presence for HVAC control
- 2 channels for lighting with 1 light measurement
- Automatic lighting control with constant light control or switching mode
- Dimmable lighting in switching mode with and without daylight influence
- Integrated temperature sensor
- Day/night switching via telegram
- Standby functionality (orientation light)
- 3 logic channels (AND/OR/XOR)
- KNX Data Secure
- Can be operated as fully or semi-automatic
- Manual override via external KNX button possible
- Directional brightness measurement (mixed light measurement)
- Easy adjustment of brightness measurement
- Short-term presence
- Selectable control speed
- Teach-in function
- Scene functionality
- Lock functions
- Switch-on delay and follow-up time Adjustable presence
- Extension of the detection range through parallel connection
- Detection sensitivity adjustable for outdoor use
- Test mode for checking function and detection range
- Adjustment via ETS software (full range of functions)
- Adjustment via remote control/app or app (BLE)

Mounting type	Detection area transverse	Protection class	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted	140 m² (28 x 5 m | 360°)	IP 54	White	LUXA 103 S360-28 KNX UP WH	1039072	134	-	126
Ceiling-mounted	140 m² (28 x 5 m | 360°)	IP 54	White	LUXA 103 S360-28 KNX DE WH	1039073	134	-	126

KNX presence detector thePrema



- Passive infrared presence detector for ceiling mounting
- Automatic lighting control with constant light control or switching mode
- Dimmable lighting in switching mode with and without daylight influence
- Standby functionality (orientation light)
- Can be operated as fully or semi-automatic
- Manual override via external KNX button possible
- Easy adjustment of brightness measurement
- Self-learning follow-up time, short-term presence
- Selectable control speed
- Teach-in function, scene functionality
- Lock functions
- 2 channels Presence without brightness influence
- Switch-on delay and follow-up time Adjustable presence
- 1 channel room monitoring without brightness influence, reduced detection sensitivity
- Extension of the detection range through master/slave or master/master parameterization
- Adjustable detection sensitivity
- Test mode for checking function and detection range
- Can be expanded with accessories for ceiling installation and surface mounting
- Adjustment via ETS software (full range of functions)
- Limited adjustment options with app/universal remote control theSenda B
- Limited setting options with theSenda P service remote control
- Optional user remote control for manual override theSenda S/theSenda B

Mounting type	Detection range trans-verse	Channels	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted	81 m² (9 x 9 m)	3 x light | 2 x presence (3 light measurements)	White	thePrema P360 KNX UP WH	2079000	134	-	124
			Gray	thePrema P360 KNX UP GR	2079001	134	-	124
			Black	thePrema P360 KNX UP BK	2079002	134	-	124
	49 m² (7 x 7 m)	2 x light | 2 x presence (1 light measurement)	White	thePrema S360 KNX UP WH	2079500	134	-	124
			Gray	thePrema S360 KNX UP GR	2079501	134	-	124
			Black	thePrema S360 KNX UP BK	2079502	134	-	124

Other colors available on request!

KNX presence detector thePrema Multi



- KNX multisensor, consisting of:
- KNX passive infrared presence detector
- KNX room air sensor (= 2 bus participants)
- Room air sensor functions:
- Measures CO_2e concentration, relative humidity, temperature, and air pressure
- Three independent, configurable thresholds for CO_2e concentration and relative humidity
- Integrated room temperature controller
- 4 binary inputs
- Presence detector functions:
- ²Square detection area 360°, 9x9 m (81 m²) at 3 m mounting height
- For KNX bus system, 3 channels for lighting and 2 channels for presence detection for HVAC control
- 2 light channels C1, C2 with 2 light measurements and additional light channel C3 without brightness influence
- 2 presence channels individually adjustable
- Adaptive 3-channel light measurement
- Mixed light measurement suitable for LEDs, fluorescent lamps (FL/PL/ESL), halogen and incandescent lamps
- Can be operated as fully or semi-automatic, switchable
- Operation Switching or constant light control with standby functionality
- Dimmable lighting in switching mode with standby functionality
- Brightness switching value or setpoint adjustable in lux via parameter, object, or remote control
- Teach-in of brightness switching value or setpoint
- Setting of the room correction factor for brightness measurement calibration
- Light follow-up time adjustable via parameter, object, or remote control
- Switch-on delay and follow-up time Adjustable presence
- Adjustable detection sensitivity
- Self-learning follow-up time
- Shortening of the follow-up time for short periods of presence (short presence)
- Scene functionality
- Extremely simple setting of energy-saving behavior with the new "eco plus" function
- Test mode for checking function and detection range
- Parallel connection of several detectors in master/slave or master/master possible
- User remote control and management remote control (optional)
- Room monitoring

Mounting type	Detection range transverse	Channels	Color	Type	Art.-No.	SD	CE	DA
Ceiling-mounted	81 m² (9,0 x 9,0 m)	3 x light I 2 x presence I CO2 I humidity I temperature I air pressure	White	thePrema P360 KNX AP Multi WH	2079900	134	-	124
-	-	CO2 I Humidity I Temperature I Air pressure	White	Set basic KNX AP Multi WH*	9070900			-

* Retrofit set for KNX multi-sensor (room air sensor only), for combination with existing KNX detector thePrema S/P UP WH

Other colors available on request!

KNX presence detector PlanoSpot



- Passive infrared presence detector for ceiling mounting
- Square detection range 360°, 7 x 7 m (49 m2) at 3 m mounting height
- For KNX bus system, 2 channels for lighting and 2 channels for presence for HVAC control
- Swiveling optics for adjusting the detection range
- 2 light channels with 2 light measurements and additional light channel C3 without brightness influence
- Automatic lighting control with constant light control or switching mode
- Dimmable lighting in switching mode with and without daylight influence
- Standby functionality (orientation light)
- Can be operated as fully or semi-automatic
- Manual override via external KNX button possible
- Three directional brightness measurements (mixed light measurement), spot or wide measurement
- Easy adjustment of brightness measurement
- Self-learning follow-up time, short-term presence
- Selectable control speed
- Teach-in function
- Scene functionality
- Lock functions
- 2 channels Presence without brightness influence
- Switch-on delay and follow-up time Adjustable presence
- 1 channel room monitoring without
- brightness influence, reduced detection sensitivity
- Extension of the detection range through master/slave or master/master parameterization
- Adjustable detection sensitivity
- Test mode for checking function and detection range
- Can be expanded with accessories for surface mounting
- Adjustment via ETS software (full range of functions)
- Limited adjustment options with app/universal remote control theSenda B
- Limited setting options with theSenda P service remote control
- Optional user remote control for manual override theSenda S/theSenda B

Mounting type	Detection area transverse	Channels	Color	Type	Art.-No.	SD	CE	DA
False ceilings	49 m² (7,0 x 7,0 m)	3 x light | 2 x presence	White	PlanoSpot 360 KNX DE WH	2039100	134	-	124
			Black	PlanoCover 76 BK	9070977			
			Silver	PlanoCover 76 SR	9070978			

Other colors available on request!

KNX presence detector thePiccola KNX



- Passive infrared presence detector for ceiling mounting
- Round detection area 360°, Ø 8 m, (50 m²) at 2.5 m mounting height
- For KNX bus system, 2 channels for lighting and 2 channels for presence for HVAC control
- Automatic lighting control with constant light control or switching mode
- Dimmable lighting in switching mode with and without daylight influence
- Integrated temperature sensor
- Day/night switching via telegram
- Standby functionality (orientation light)
- 6 logic channels (AND/OR/XOR)
- Aura function
- Room monitoring function
- KNX Data Secure
- Can be operated as fully or semi-automatic
- Manual override via external KNX button possible
- Directional brightness measurement (mixed light measurement)
- Easy adjustment of brightness measurement
- Short-term presence
- Selectable control speed
- Teach-in function
- Scene functionality
- Lock functions
- Switch-on delay and follow-up time Adjustable presence
- Extension of the detection range through parallel connection
- Adjustable detection sensitivity
- Test mode for checking function and detection range
- Adjustment via ETS software (full range of functions)
- Adjustment via remote control/app or app (BLE)

Mounting type	Detection range transverse	Channels	Color	Type	Art.-No.	SD	CE	DA
False ceilings	50 m² (ø 8 m | 360°)	2 x light | 2 x presence	White	thePiccola P360 KNX DE WH	2099200	135	-	124
			Black	Cover 64 BK	9070797			

Other colors available on request!

KNX presence detector theRonda P360 UP KNX



- Passive infrared presence detector for ceiling mounting
- Round detection range 360°
- For KNX bus system, 2 channels for lighting and 2 channels for presence for HVAC control
- 2 channels for lighting with 1 light measurement
- Automatic lighting control with constant light control or switching mode
- Dimmable lighting in switching mode with and without daylight influence
- Standby functionality (orientation light)
- Can be operated as fully or semi-automatic
- Manual override via external KNX button possible
- Directional brightness measurement (mixed light measurement)
- Easy adjustment of brightness measurement
- Short-term presence
- Selectable control speed
- Teach-in function
- Scene functionality
- Lock functions
- 2 channels Presence without brightness influence
- Switch-on delay and follow-up time Adjustable presence
- Extension of the detection range through master/slave or master/master parameterization
- Adjustable detection sensitivity
- Test mode for checking function and detection range
- Adjustment via ETS software (full range of functions)
- Limited adjustment options with app/universal remote control theSenda B
- Limited setting options with theSenda P service remote control
- Optional user remote control for manual override theSenda S/theSenda B
- Restriction of the detection range with cover clips

Mounting type	Detection area transverse	Channels	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted	452 m² (ø 24 m | 360°)	2 x light | 2 x presence	White	theRonda P360 KNX UP WH	2089000	135	-	125
Flush-mounted	50 m² (ø 8 m | 360°)	2 x light | 2 x presence	White	theRonda S360 KNX UP WH	2089520	135	-	125
			Gray	Cover 110 GR	9070591			
			Black	Cover 110 BK	9070851			

Other colors available on request!

KNX presence detector theRonda S360 AP/DE KNX



- Passive infrared presence detector for ceiling mounting AP/DE
- Round detection area 360°, Ø 8 m (50 m²) at 3 m mounting height
- For KNX bus system, 2 channels for lighting and 2 channels for presence for HVAC control
- 2 channels for lighting with 1 light measurement
- Automatic lighting control with constant light control or switching mode
- Dimmable lighting in switching mode with and without daylight influence
- Standby functionality (orientation light)
- Can be operated as fully or semi-automatic
- Manual override via external KNX button possible
- Directional brightness measurement (mixed light measurement)
- Easy adjustment of brightness measurement
- Short-term presence
- Selectable control speed
- Teach-in function
- Scene functionality
- Lock functions
- 2 channels Presence without brightness influence
- Switch-on delay and follow-up time Adjustable presence
- Extension of the detection range through master/slave or master/master parameterization
- Adjustable detection sensitivity
- Test mode for checking function and detection range
- Setting via ETS software (full
- range of functions)
- Limited adjustment options with app/universal remote control theSenda B
- Limited setting options with theSenda P service remote control
- Optional user remote control for manual override theSenda S/theSenda B

Mounting type	Detection area transverse	Channels	Color	Type	Art.-No.	SD	CE	DA
Ceiling-mounted	50 m² (ø 8 m | 360°)	2 x light | 2 x presence	White	theRonda S360 KNX AP WH	2089550	135	-	125
			Gray	theRonda S360 KNX AP GR	2089551	135	-	125
			Black	theRonda S360 KNX AP BK	2089552	135	-	125
False ceilings	50 m² (ø 8 m | 360°)	2 x light | 2 x presence	White	theRonda S360 KNX FLAT DE WH	2089560	135	-	125
			Gray	Cover FLAT 85 GR	9070597			
			Black	Cover FLAT 85 BK	9070853			

Other colors available on request!

KNX presence detector thePassa P360 UP KNX



- Passive infrared presence detector for ceiling mounting
- Rectangular detection area 360°, 30x4.5 m (135 m²) at 3 m mounting height
- For KNX bus system, 2 channels for lighting and 2 channels for presence for HVAC control
- Two separate detection zones
- 2 channels of light with 2 light measurements
- Automatic lighting control with constant light control or switching mode
- Dimmable lighting in switching mode with and without daylight influence
- Standby functionality (orientation light)
- Can be operated as fully or semi-automatic
- Manual override via external KNX button possible
- Two directional brightness measurements (mixed light measurement)
- Easy adjustment of brightness measurement
- Short-term presence
- Selectable control speed
- Teach-in function
- Aura function
- Scene functionality
- Lock functions
- 2 channels Presence without brightness influence
- Switch-on delay and follow-up time Adjustable presence
- Extension of the detection range through master/slave or master/master parameterization
- Adjustable detection sensitivity
- Test mode for checking function and detection range
- Can be expanded with accessories for ceiling installation and surface mounting
- Setting via ETS software (full
- range of functions)
- Limited adjustment options with app/universal remote control theSenda B
- Limited setting options with theSenda P service remote control
- Optional user remote control for manual override theSenda S/theSenda B
- Restriction of the detection range with cover clips

Mounting type	Detection area transverse	Channels	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted	150 m² (30,0 x 5 m)	2 x light | 2 x presence	White	thePassa P360 KNX UP WH	2019300	135	-	127
			Gray	Cover 110 GR	9070591			
			Black	Cover 110 BK	9070851			

Other colors available on request!

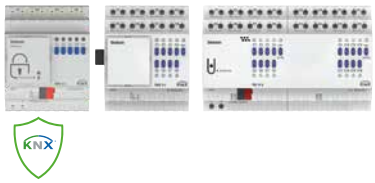
KNX wall detector theMura KNX



- Passive infrared presence/motion detector for flush-mounted wall installation
- Rectangular detection area
- For KNX bus system, KNX Data-Secure
- Can be operated as fully or semi-automatic
- Integrated, freely configurable button (can be deactivated)
- Manual override via external KNX button possible
- Directional brightness measurement (mixed light measurement)
- Teach-in function, lock functions
- HVAC channel without brightness influence
- Switch-on delay and follow-up time HVAC channel adjustable
- Extension of the detection range through master/slave or master/master parameterization
- Adjustable detection sensitivity
- Test mode for checking function and detection range
- Settings via ETS software (full
- range of functions)
- area restrictions included in delivery
- With Theben cover frame
- Also suitable for many common switch ranges (with accessories, from page 122)
- theMura S180 KNX UP WH
- Motion detector, 1 channel light and 1 channel HVAC
- Switching or dimmable lighting in switching mode with and without daylight influence
- 3 logic channels (AND, OR, XOR)
- theMura P180 KNX UP WH/theMura P180 2.20 KNX UP WH
- Presence detector, 2 channels for lighting and 2 channels for HVAC
- Switching or constant light control with standby functionality (orientation light)
- Dimmable lighting in switching mode with and without daylight influence
- Easy adjustment of brightness measurement
- Short-term presence, selectable control speed
- Aura function, scene functionality
- Integrated orientation light (white) and temperature sensor
- Acoustic function
- 2 binary inputs, 6 logic channels (AND, OR, XOR)
- Limited adjustment options with app/universal remote control theSenda B
- Limited setting options with theSenda P service remote control
- Optional user remote control for manual override theSenda S/theSenda B

Mounting type	Detection range transverse	Mounting height	Channels	Product type	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted	238 m² (14 x 17 m)	0,8-1,2 m	1 x light | 1 x presence	Motion detector	White	theMura S180 KNX UP WH	2069650	132	-	124
			2 x light | 2 x presence	Presence detector	White	theMura P180 KNX UP WH	2069655	132	-	124
	160 m² (16 x 10 m)	2,2 m	2 x light | 2 x presence	Presence detector	White	theMura P180 2.20 KNX UP WH	2069658	135	-	124

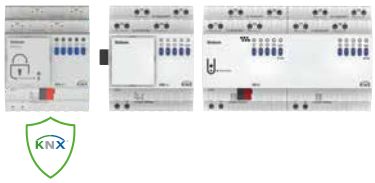
KNX switching actuators DIN-rail



- DIN-rail switch actuator 16 A 140 µF, KNX TP
- Manual operation and LED for the switching status per channel
- Switch-on current max. 800 A/200 µs, max. 600 W LED/channel
- Switching functions: e.g., on/off, pulse, on/off delay, staircase lighting with advance warning
- Logical links: e.g., lock, AND, enable, OR
- MIX2 basic modules
- Secure commissioning and communication through support of KNX Data Secure
- Up to 2 MIX2 extensions MIX or MIX2 can be connected to a MIX2 basic module
- Device and KNX bus module can be replaced independently of each other
- Removable KNX bus module allows devices to be replaced without reprogramming

Type	Number of channels	LED lamp	Width	Type	Art.-No.	SD	CE
MIX2 basic module	4	16 (3) A/600 W	4 modules	RMG 4 U KNX	4930223	131	151
MIX2 extension	4	16 (3) A/600 W	4 modules	RME 4 U KNX	4930228	131	152
MIX2 basic module	8	16 (3) A/600 W	4 modules	RMG 8 S KNX	4930220	131	152
MIX2 extension	8	16 (3) A/600 W	4 modules	RME 8 S KNX	4930225	131	152
Standard actuator	4	16 (3) A/600 W	4 modules	RM 4 U KNX	4940223	131	152
Standard actuator	8	16 (3) A/600 W	4 modules	RM 8 S KNX	4940220	131	152
Standard actuator	16	16 (3) A/600 W	8 modules	RM 16 S KNX	4940225	131	152

KNX switching actuators C load / current measurement DIN-rail



- DIN-rail switching actuator 16 A C-load 200 µF, KNX TP
- With integrated current measurement per channel
- Switch-on current max. 1500 A/200 µs, max. 850 W LED/channel
- Manual operation and LED for the switching status per channel
- Switching functions: e.g., on/off, pulse, on/off delay, staircase lighting with advance warning
- Logical links: e.g., lock, AND, enable, OR
- Basic modules
- Secure commissioning and communication through support of KNX Data Secure
- Up to 2 MIX or MIX2 expansion modules can be connected to one basic module
- Device and KNX bus module can be replaced independently of each other
- Removable KNX bus module allows devices to be replaced without reprogramming

Type	Number of channels	LED lamp	Width	Type	Art.-No.	SD	CE
MIX2 basic module	4	16 (10) A/850 W	4 modules	RMG 4 I KNX	4930210	131	152
MIX2 extension	4	16 (10) A/850 W	4 modules	RME 4 I KNX	4930215	131	152
Standard actuator	4	16 (10) A/850 W	4 modules	RM 4 I KNX	4940210	131	152
Standard actuator	8	16 (10) A/850 W	8 modules	RM 8 I KNX	4940215	131	153

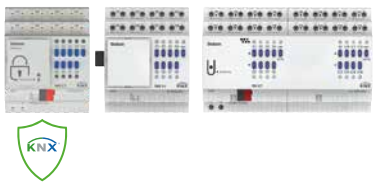
KNX high-performance actuators DIN-rail



- DIN-rail Switching actuator 25 A C-load 200 µF, KNX TP
- High-performance actuator
- Switch-on current max. 1200 A/200 µs, max. 850 W LED/channel
- Manual operation and LED for the switching status per channel
- Power supply via bus voltage
- Switching functions: e.g., on/off, pulse, on/off delay, staircase lighting with advance warning
- Logical links: e.g., lock, AND, enable, OR

Type	Number of channels	LED lamp	Width	Type	Art.-No.	SD	CE
Standard actuator	4	25 A/850 W	4 modules	RM 4 H KNX	4940212	131	153
Standard actuator	8	25 A/850 W	8 modules	RM 8 H KNX	4940217	131	153

KNX combination actuators DIN-rail



- DIN-rail combination actuator 16 A 140 µF, KNX TP
- Flexible channel function selection as switch or blind actuator
- Switch-on current max. 800 A/200 µs, max. 600 W LED/channel
- Manual operation and LED for the switching status per channel
- Switching functions: e.g., on/off, pulse, on/off delay, staircase lighting with advance warning
- Logical links: e.g., lock, AND, enable, OR
- Basic modules
- Secure commissioning and communication through support of KNX Data Secure
- Up to 2 MIX or MIX2 expansion modules can be connected to one basic module
- Device and KNX bus module can be replaced independently of each other
- Removable KNX bus module allows devices to be replaced without reprogramming

Type	Number of channels	LED lamp	Width	Type	Art.-No.	SD	CE
MIX2 basic module	8	16 A/600 W	4 modules	RMG 8 S KNX	4930220	131	152
MIX2 extension	8	16 A/600 W	4 modules	RME 8 S KNX	4930225	131	152
Standard actuator	8	16 A/600 W	4 modules	RM 8 T KNX	4940200	131	153
Standard actuator	16	16 A/600 W	8 modules	RM 16 T KNX	4940205	131	153

KNX dimming actuators 400 W DIN-rail



- DIN-rail universal dimming actuator 400 W, KNX TP
- 5-400 W LED/channel, 800 W LED in parallel operation
- For dimmable LED, incandescent and halogen lamps, energy-saving lamps, transformers, compact fluorescent lamps, and fans
- Manual operation and LED for the switching status per channel
- When using the 1-channel dimming booster DMB 1 T KNX, the dimming power can be extended by 300 W/VA (halogen and incandescent lamps), max. 4 boosters possible
- Automatic load detection (can be deactivated), for R, L/C loads
- Basic modules
- Secure commissioning and communication through support of KNX Data Secure
- Up to 2 MIX or MIX2 expansion modules can be connected to one basic module
- Device and KNX bus module can be replaced independently of each other
- Removable KNX bus module allows devices to be replaced without reprogramming

Type	Number of channels	LED lamp (RC mode)	Width	Type	Art.-No.	SD	CE
MIX2 basic module	2	400 W	4 modules	DMG 2 T KNX	4930270	131	153
MIX2 extension	2	400 W	4 modules	DME 2 T KNX	4930275	131	153
Standard actuator	2	400 W	4 modules	DM 2 T KNX	4940270	131	154
Standard actuator	4	400 W	8 modules	DM 4 T KNX	4940275	131	154
Dimming booster extension	1	300 W	1 module	DMB 1 T KNX	4930279	142	154

KNX dimming actuators 200 W DIN-rail



- DIN-rail universal dimming actuator 200 W, KNX TP
- 2-200 W LED/channel, up to 400 W LED in parallel operation (C1+C2 / C3+C4 /....)
- For dimmable LED, incandescent and halogen lamps, energy-saving lamps, transformers, compact fluorescent lamps, and fans
- Dimming range 0–100%
- Manual operation and LED for the switching status per channel
- Automatic load detection (can be deactivated)
- For R, L, and C loads

Type	Number of channels	LED lamp (RC mode)	Width	Type	Art.-No.	SD	CE
Standard actuator	4	200 W	4 modules	DM 4-2 T KNX	4940280	131	154
Standard actuator	8	200 W	8 modules	DM 8-2 T KNX	4940285	131	154

KNX Switch/Dimming Actuator DIN-rail



- DIN-rail, 4-way switching/dimming actuator 10 A 133 µF, KNX TP
- For controlling electrical consumers with 0–10 V or 1–10 V interface
- Flexible use of control and relay outputs
- Control outputs suitable for active (0-10 V, source) and passive control (1-10 V, sink), as well as mixed operation
- Support for color and color temperature control
- Easy commissioning and programming in the ETS, without additional tools or ETS app
- Secure commissioning and communication through support of KNX Data Secure
- Switch-on current max. 800 A, for reliable switching of capacitive loads

Type	Number of channels	LED lamp	Width	Type	Art.-No.	SD	CE
Standard actuator	4	600 W	4 modules	SM 4 KNX	4940310	131	155

KNX-DALI Gateway DIN-rail



- The KNX-DALI gateway serves as an interface between the DALI system and the KNX bus
- DALI-2 certified
- A maximum of 64 DALI devices can be connected to one DALI output
- Control of DALI devices in 16 groups or individually
- Color light control with Device Type 8 (DT8) for 16 groups: color temperature, XY, RGB, HSV, RGBW
- Time-dependent color control (also for human-centric lighting applications)
- Scene module for 16 scenes (including color setting DT8)
- Effect module for sequence control (including DT8 color setting): color temperature, XY, RGB, HSV, RGBW
- Energy savings by switching off the ECG power supply in the groups (communication object)
- Easy replacement of ECGs in the event of a fault
- Commissioning via the free ETS app (DCA)

Channels	Type	Art.-No.	SD	CE
1 for 64 DALI luminaires	DALI gateway S64 KNX	4940301	131	-
2 for 2x64 DALI luminaires	DALI gateway S128 KNX	4940302	131	-

KNX-DALI gateway Multi-Master Application Controller DIN-rail



- Multi-Master Application Controller as interface between the DALI system and the KNX bus
- DALI-2 certified
- Secure commissioning and communication through
- Support for KNX Data Secure
- Control of 64 DALI participants in 16 groups or in individual control
- Integration of 8 DALI-2 motion/presence detectors with brightness or other physical sensors
- Extended functionality of the motion detector with 2-point or constant light control
- Support for 8 DALI-2 push buttons and 8 generic input devices
- Support for energy reporting in accordance with DALI Part 252
- Control of light color and color temperature in accordance with EN 62386-209 (DT-8) in groups or individually
- Automatic adjustment of color temperature to the
- dimming value
- Scene module for 16 scenes (including color control DT8)
- Time-dependent control of brightness, light color and color temperature
- Effect module for sequence controllers
- Support for single-battery emergency lights and
- emergency lighting systems with central battery (EN 62386-202, DT-1)
- Integrated IoT interface: API/MQTT
- Commissioning via the control elements on the device, via the integrated web server, or via the free ETSApp (DCA)

Type	Art.-No.	SD	CE
DALI Gateway P64 KNX	4940303	131	155

KNX DALI actuator DIN-rail



- 4-way DALI actuator
- DALI-2 certified
- Interface between the DALI system and the KNX bus
- 4 channels, broadcast communication
- Control of up to 30 DALI devices per channel
- Control of light color and color temperature in accordance with EN 62386-209 (DT-8)
- Easy commissioning and maintenance thanks to broadcast communication
- Easy replacement of ECGs in case of failure
- Easy commissioning and programming in the ETS, without additional tools or ETS app
- Secure communication through support of KNX Data Secure

Type	Art.-No.	SD	CE
DM 4 DALI KNX	4940300	131	148

KNX blind actuators DIN-rail



- DIN-rail blind actuator 6 A, KNX TP
- For controlling drives for blinds, roller shutters, sun and privacy protection devices, skylights, and ventilation flaps
- Manual operation and LED for the switching status per channel
- Basic modules
- Secure commissioning and communication through support of KNX Data Secure
- Up to 2 MIX or MIX2 expansion modules can be connected to one basic module
- Device and KNX bus module can be replaced independently of each other
- Removable KNX bus module allows devices to be replaced without reprogramming

Type	Number of channels	Switching capacity	Width	Type	Art.-No.	SD	CE
MIX2 basic module	4	6 A	4 modules	JMG 4 T KNX	4930250	131	155
MIX2 extension	4	6 A	4 modules	JME 4 T KNX	4930255	131	155
Standard actuator	4	6 A	4 modules	JM 4 T KNX	4940250	131	155
Standard actuator	8	6 A	8 modules	JM 8 T KNX	4940255	131	155

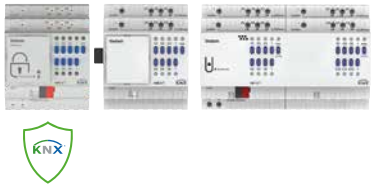
KNX blind actuators 24 V DIN-rail



- DIN-rail blind actuator 24 V 6 A, KNX TP
- For controlling drives for blinds, roller shutters, sun and privacy protection devices, skylights, and ventilation flaps
- Manual operation and LED for the switching status per channel
- Basic modules
- Secure commissioning and communication through support of KNX Data Secure
- Up to 2 MIX or MIX2 expansion modules can be connected to one basic module
- Device and KNX bus module can be replaced independently of each other
- Removable KNX bus module allows devices to be replaced without reprogramming

Type	Number of channels	Width	Type	Art.-No.	SD	CE
MIX2 basic module	4	4 modules	JMG 4 T 24V KNX	4930260	131	155
MIX2 extension	4	4 modules	JME 4 T 24V KNX	4930265	131	156
Standard actuator	4	4 modules	JM 4 T 24V KNX	4940260	131	156
Standard actuator	8	8 modules	JM 8 T 24V KNX	4940265	131	156

KNX heating actuators DIN-rail



- DIN-rail heating actuator, KNX TP
- For controlling thermal actuators 24 - 240 V AC
- Maximum of 5 actuators 230 V AC or 1 actuator 24 V AC per channel
- Manual operation and LED for the switching status per channel
- With short-circuit and overload protection
- Continuous or switching control variable selectable
- Valve protection function can be deactivated
- With the following modes: Comfort, Standby, Night, and Frost/Heat Protection
- Summer mode switchover possible

- Basic modules
- Secure commissioning and communication through support of KNX Data Secure
- Up to 2 MIX or MIX2 expansion modules can be connected to one basic module
- Device and KNX bus module can be replaced independently of each other
- Removable KNX bus module allows devices to be replaced without reprogramming
- Optional ALPHA 5 230 V (9070440) and ALPHA 5 24 V (9070441) actuators, see page 127

Type	Number of channels	Width	Type	Art.-No.	SD	CE
MIX2 basic module	6	4 modules	HMG 6 T KNX	4930240	131	156
MIX2 extension	6	4 modules	HME 6 T KNX	4930245	131	156
Standard actuator	6	4 modules	HM 6 T KNX	4940240	131	156
Standard actuator	12	8 modules	HM 12 T KNX	4940245	131	156

KNX heating actuators Heating circuit distributor



- AP heating actuator, KNX TP
- With integrated controllers
- For controlling heating circuits with thermal actuators, switching 24 V DC or continuous 0–10 V DC
- Integration of up to 2 heating circuit pumps
- For integration of boiler control
- Demand-based adjustment of the flow temperature: Automatic determination of the maximum control variable for adjusting the flow temperature to the actual demand
- No KNX room thermostat required:

- Flexible use of each channel as a heating actuator or heating controller
- Installation directly in the heating circuit distributor
- Screwless plug-in terminal technology
- Integrated power supply for max. 12 thermal actuators
- Silent semiconductor switches (triac)
- Continuous or switching control variable selectable
- Optional ALPHA 5 24 V actuator (9070441) see page 127

switching capacity	Switching output	Number of channels	Type	Art.-No.	SD	CE
6/12 x valve output 24 V DC or 0-10 V DC	5 A, 240 V AC potential-free (pump)	12	HMT 12 S KNX	4900374	131	156
		6	HMT 6 S KNX	4900373	131	157

KNX motorized actuator



- Motorized KNX actuator for heating and cooling valves
- Integrated temperature sensor
- Integrated controller for efficient heating and cooling with one additional stage each
- High actuating force of up to 220 N with a maximum valve stroke of 8 mm
- 2 universal binary inputs, connection option e.g. for external temperature sensor, window contact, presence detector or push button
- Integrated logic for up to 10 window contacts

- Can be used in heating circuit distributors
- Integrated bus coupler
- Automatic valve adaptation
- Universally applicable thanks to a wide range of valve adapters
- 2 different valve adapters for the most common valves M30x1.5 and Danfoss included (VA 10, VA 100)
- Secure commissioning and communication through support of KNX Data Secure

Cable	Type	Art.-No.	SD	CE
1 m long connection cable	CHEOPS S KNX	7319205	135	-
Connection cable with a length of 10 m	CHEOPS S 10m KNX	7319207	135	-

KNX fan coil actuators DIN-rail



- Fan coil actuator
- For controlling fan coils (fan convectors)
- For 2-pipe and 4-pipe systems
- For up to three fan speeds
- Additional relay for electric heating coils or cooling coils
- Potential-free input for window contacts or temperature sensor
- Potential-free input for condensate monitoring
- Operating status display via 9 LEDs

- Manual operation on the device (fan speeds, switching between heating and cooling)
- Adjustment of the setpoint for cooling depending on the outside temperature
- Potential-free switching contact optionally for cooling or heating coil
- With emergency program

Design	Type	Art.-No.	SD	CE
For 2-point and 3-point valves	FCA 1 KNX	4920200	135	157
Also optionally with 0–10 V fan control, for proportional 0–10 V valves	FCA 2 KNX	4920210	135	157

KNX OpenTherm gateway



- The KNX-OT-Box S serves as an interface between the heat generator with OpenTherm bus (bus system in heating and ventilation technology) and the KNX bus (building system technology)
- It enables bidirectional data exchange between the OpenTherm heat generator and the heat distribution via the KNX system (individual room control)
- In combination with the OT Box (9070712) from RAMSES 856 top2 OT (8569132), heating systems without an OpenTherm interface can also be controlled
- The device and KNX bus module can be replaced independently of each other
- Removable KNX bus module
- The following functions can be implemented with the KNX OT Box S:
- Demand-based flow control
- Weather-compensated flow control
- Domestic water heating control
- Energy optimization of domestic water heating with solar support
- Occupancy heating/screed drying program
- Legionella protection program

Type	Art.-No.	SD	CE
KNX OT Box S	8559201	131	157

KNX split unit gateway



- Split Unit Gateway KNX for controlling split air conditioning units via KNX
- Easy-to-set-up IR gateway with large database of split unit devices
- Currently, over 500 different split unit devices/remote controls are available and controllable in the database
- This database is regularly expanded

Type	Art.-No.	SD	CE
AC IR1 KNX	4940320	132	-

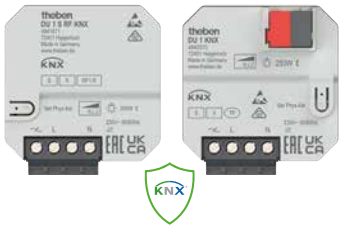
KNX switch actuators



- Flush-mounted 1-way switch actuator 16 A 130 µF, Data Secure
- Extensive functions such as switching, staircase lighting, pulse function
- 1x NO contact & 1x NC contact with common control
- Adjustable properties: Normally open/normally closed, switching, delay, pulse function
- **2 binary inputs for potential-free contacts** such as push buttons, switches, temperature sensors (with accessories 9070321, 9070459, 9070496 – see pages 120/121)
- Secure commissioning and communication through support of KNX Data Secure
- Easy installation thanks to particularly compact housing
- Integrated temperature monitoring for increased operational safety, e.g. in case of overload
- The binary inputs are assigned to the output ex works (function test before programming)

Number of channels	Switching capacity/LED lamp	Design	Type	Art.-No.	SD	CE
1	10 A/600 W	Wireless actuator RF	SU 1 S RF KNX	4941621	132	149
1	16 A/600 W	Actuator TP	SU 1 KNX	4942520	131	149

KNX dimming actuators



- Flush-mounted 1-way dimming actuator 250 W, Data Secure
- For dimmable LED, incandescent, and halogen lamps, energy-saving lamps, and dimmable transformers
- Easy adaptation to different light sources thanks to automatic load detection
- Adjustable dimming curve for precise and flicker-free dimming
- **2 binary inputs for potential-free contacts** such as push buttons, switches, temperature sensors (with accessories 9070321, 9070459, 9070496 – see pages 120/121)
- Secure commissioning and communication through support of KNX Data Secure
- Easy installation thanks to particularly compact housing
- Integrated temperature monitoring for increased operational safety, e.g. in case of overload
- The binary inputs are assigned to the output ex works (function test before programming)

Number of channels	LED lamp (RC mode)	Design	Type	Art.-No.	SD	CE
1	250 W	Wireless actuator RF	DU 1 S RF KNX	4941671	132	149
1	250 W	Actuator TP	DU 1 KNX	4942570	131	149

KNX DALI actuators



- Flush-mounted 1-way DALI actuator, Data Secure
- DALI-2 certified
- Interface between the DALI and the KNX bus system
- Simple commissioning of up to 30 ECGs in broadcast mode
- Control of RGB, RGBW, Tunable White or conventional luminaires
- DT-8 luminaire support
- Easy replacement of ECGs in the event of a fault
- **2 binary inputs for potential-free contacts** such as push buttons, switches, temperature sensors (with accessories 9070321, 9070459, 9070496 – see pages 120/121)
- Secure commissioning and communication through support of KNX Data Secure
- Easy installation thanks to particularly compact housing
- Integrated temperature monitoring for increased operational safety, e.g. in case of overload
- The binary inputs are assigned to the output ex works (function test before programming)

Number of channels	Design	Type	Art.-No.	SD	CE
1	Wireless actuator RF	DU 1 DALI S RF KNX	4941681	132	150
1	Actuator TP	DU 1 DALI KNX	4942580	131	150

KNX blind actuators



- Flush-mounted 1-way blind actuator 10 A, Data Secure
- 1-way blind actuator or 2-way switch actuator
- For controlling drives for blinds, roller shutters, sun and privacy protection devices, skylights, and ventilation flaps
- **2 binary inputs for potential-free contacts** such as push buttons, switches, temperature sensors (with accessories 9070321, 9070459, 9070496 – see pages 120/121)
- Secure commissioning and communication through support of KNX Data Secure
- Easy installation thanks to particularly compact housing
- Integrated temperature monitoring for increased operational safety, e.g. in case of overload
- The binary inputs are assigned to the output ex works (function test before programming)

Number of channels	switching capacity	Design	Type	Art.-No.	SD	CE
1	5 A	Wireless actuator RF	JU 1 S RF KNX	4941651	132	150
1	10 A	Actuator TP	JU 1 KNX	4942550	131	150

KNX heating actuators, flush-mounted



- Flush-mounted 1-way heating actuator, Data Secure
- With integrated controller
- Silent control of thermal actuators 230 V AC
- Function selection as heating actuator (continuous or switching control variable) or as heating controller (integrated temperature controller for heating/cooling)
- Integrated valve protection function and summer mode
- **2 binary inputs for potential-free contacts** such as push buttons, switches, temperature sensors (with accessories 9070321, 9070459, 9070496 – see pages 120/121)
- Secure commissioning and communication through support of KNX Data Secure
- Easy installation thanks to particularly compact housing
- Integrated temperature monitoring for increased operational safety, e.g. in case of overload
- The binary inputs are assigned to the output ex works (function test before programming)
- Optional ALPHA 5 230 V (9070440) and ALPHA 5 24 V (9070441) actuators, see page 127

Number of channels	switching capacity	Design	Type	Art.-No.	SD	CE
1	Max. 1 A or 4 actuators 230 V AC (e.g., ALPHA 5)	Wireless actuator RF	HU 1 S RF KNX	4941641	132	150
1	Max. 1 A or 4 actuators 230 V AC (e.g., ALPHA 5)	Actuator TP	HU 1 KNX	4942540	131	150

KNX actuators for electric heating systems



- Flush-mounted 1-way actuator for electric heating systems, Data Secure
- For direct connection of electric heaters with high switching capacity
- Integrated temperature controller for heating/cooling
- Temperature controller can also be configured as an additional stage
- **2 binary inputs for potential-free contacts** such as push buttons, switches, temperature sensors (with accessories 9070321, 9070459, 9070496 – see pages 120/121)
- Secure commissioning and communication through support of KNX Data Secure
- Easy installation thanks to particularly compact housing
- Integrated temperature monitoring for increased operational safety, e.g. in case of overload
- The binary inputs are assigned to the output ex works (function test before programming)

Number of channels	Switching capacity	Design	Type	Art.-No.	SD	CE
1	10 A	Wireless actuator RF	EU 1 S RF KNX	4941642	132	150
1	16 A	Actuator TP	EU 1 KNX	4942542	131	150

KNX radio push-button interface



- 4-way flush-mounted radio push-button interface, KNX RF, Data Secure
- 4 binary inputs for potential-free push buttons
- Additional binary input for connecting a temperature sensor
- Secure commissioning and communication through support of KNX Data Secure
- Free assignment of the functions switching, dimming, blinds, temperature measurement, and transmission
- Easy installation thanks to particularly compact housing
- Can be used with 4-way push button module (9070806)

Type	Art.-No.	SD	CE
TU 4 S RF KNX	4961614	132	151

KNX media coupler UP



- Connects KNX RF devices on a radio line to the KNX bus twisted pair
- Power supply via KNX bus voltage
- Supports long frames for "KNX Secure" and enables faster parallel download of large applications
- Ranges of up to 30 m within the building are possible
- Has a repeater function, i.e. received telegrams are resent to increase the range
- Supports segment coupling and secure proxy functions from ETS 6 application version 2.x

Type	Art.-No.	SD	CE
Media coupler TP-RF KNX	9070868	132	150

KNX push button actuator modules



- KNX push button actuator modules for various functions (operation, switching, dimming, blinds), KNX RF, Data Secure
- 4 push buttons
- Universally applicable in many 55 mm switch ranges
- Quick and easy conversion of conventional installations
- 1-way or 2-way rockers as separate accessories are essential (item numbers 9080026, 9080027)
- Secure commissioning and communication through support of KNX Data Secure
- PB 4 RF KNX: Integrated temperature sensor

Number of channels	Design	LED lamp	Type	Art.-No.	SD	CE
1	Flush-mounted RF switch actuator with 4 push buttons	600 W	PS 1 RF KNX	4941625	132	150
1	Flush-mounted blind actuator RF with 4 push buttons	-	PJ 1 RF KNX	4941655	132	151
1	Flush-mounted RF dimming actuator with 4 push buttons	250 W (RC mode)	PD 1 RF KNX	4941675	132	151
1	Flush-mounted RF push button with 4 push buttons	-	PB 4 RF KNX	4961615	132	151
			Single rocker switch WH	9080026		
			2-way rocker switch WH	9080027		

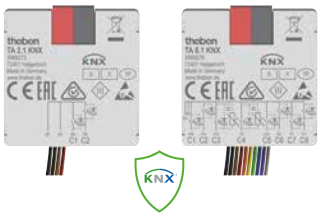
KNX binary inputs DIN-rail



- DIN-rail binary input, KNX TP
- Multi-voltage inputs 10 - 240 V AC/DC, integrated power supply 12 V DC
- 2 additional channels operable via buttons on the device
- Manual operation and LED for the switching status per channel
- All inputs can be operated with different voltages and at different potentials
- Connectable cable length up to 100 m
- Free assignment of functions: switch/button, dimming, blinds/shutters, meter, repeat telegram, sequences
- Basic modules
- Secure commissioning and communication through support of KNX Data Secure
- Up to 2 MIX or MIX2 expansion modules can be connected to one basic module
- Device and KNX bus module can be replaced independently of each other
- Removable KNX bus module allows devices to be replaced without reprogramming

Type	Number of channels/binary inputs	Width	Type	Art.-No.	SD	CE
MIX2 basic module	6	4 modules	BMG 6 T KNX	4930230	131	157
MIX2 extension	6	4 modules	BME 6 T KNX	4930235	131	157
Standard actuator	6	4 modules	BM 6 T KNX	4940230	131	157
Standard actuator	12	8 modules	BM 12 T KNX	4940235	131	157

KNX binary inputs/push button interfaces



- Binary input push button interface KNX TP
- Can be installed in flush-mounted boxes with conventional push buttons/switches
- Secure commissioning and communication through support of KNX Data Secure
- Flexible LED control; thanks to increased output current of 3 mA, standard LEDs and low-current LEDs can be controlled
- Inputs can be re-parameterized to outputs with parameterizable flashing and pulsing function
- Connectable cable length up to 30 m
- TA 4.1/TA 6.1/TA 8.1: 2 NTC inputs (100K/25°C) for temperature detection (with accessories 9070321, 9070459, 9070496)

Number of channels/binary inputs	Type	Art.-No.	SD	CE
2	TA 2.1 KNX	4969272	131	154
4	TA 4.1 KNX	4969274	131	154
6	TA 6.1 KNX	4969276	131	154
8	TA 8.1 KNX	4969278	131	154

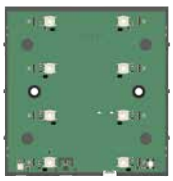
KNX room controller iONprime



- KNX room controller, KNX TP, with integrated temperature controller for temperature, humidity (relative), proximity, and brightness
- 4-inch touch display with screen resolution 480 x 480 px
- Enables the control and operation of various functions such as switching, dimming, blind or room climate control in residential and commercial buildings on up to 6 pages (each with 8 functions)
- Freely selectable background images via micro SD card

Color	Type	Art.-No.	SD	CE
Black	iONprime CP 4 KNX	4969300	136	158

KNX push button sensors iONprime





- 2-/4-/8-way KNX push button, KNX TP
- One base unit for all rockers, rockers in 3 variants (1-way, 2-way, 4-way) available in 7 colors and materials with a high-quality look and feel, rockers required as separate accessories
- RGB LEDs per push button
- Integrated sensor for temperature, humidity (relative), IAQ (indoor air quality index), proximity, and brightness
- For controlling and operating various functions such as switching, dimming, blind or room climate control in residential and commercial buildings

Design	Material	Color	Type	Art.-No.	SD	CE
Basic device Touch sensor	-	-	iONprime PB KNX	4969301	136	-
1-way rocker	Plastic	White (similar to RAL 9016)	iONprime PB 1R PWH	9080061	136	-
2-way rocker	Plastic	White (similar to RAL 9016)	iONprime PB 2R PWH	9080068	136	-
4-way rocker	Plastic	White (similar to RAL 9016)	iONprime PB 4R PWH	9080075	136	-
1-way rocker	Plastic	Black (similar to RAL 9004)	iONprime PB 1R PBK	9080062	136	-
2-way rocker	Plastic	Black (similar to RAL 9004)	iONprime PB 2R PBK	9080069	136	-
4-way rocker	Plastic	Black (similar to RAL 9004)	iONprime PB 4R PBK	9080076	136	-
1-way rocker	Plastic	Gray (similar to RAL 7044)	iONprime PB 1R PGR	9080063	136	-
2-way rocker	Plastic	Gray (similar to RAL 7044)	iONprime PB 2R PGR	9080070	136	-
4-way rocker	Plastic	Gray (similar to RAL 7044)	iONprime PB 4R PGR	9080077	136	-
1-way rocker	Metal	White (similar to RAL 9016)	iONprime PB 1R MWH	9080060	136	-
2-way rocker	Metal	White (similar to RAL 9016)	iONprime PB 2R MWH	9080067	136	-
4-way rocker	Metal	White (similar to RAL 9016)	iONprime PB 4R MWH	9080074	136	-
1-way rocker	Metal	Black (similar to RAL 9004)	iONprime PB 1R MBK	9080059	136	-
2-way rocker	Metal	Black (similar to RAL 9004)	iONprime PB 2R MBK	9080066	136	-
4-way rocker	Metal	Black (similar to RAL 9004)	iONprime PB 4R MBK	9080073	136	-
1-way rocker	Brushed aluminium	Aluminum	iONprime PB 1R CER	9080057	136	-
2-way rocker	Brushed aluminium	Aluminum	iONprime PB 2R CER	9080064	136	-
4-way rocker	Brushed aluminum	Aluminum	iONprime PB 4R CER	9080071	136	-
1-way rocker	Brushed brass	Brass	iONprime PB 1R MBR	9080058	136	-
2-way rocker	Brushed brass	Brass	iONprime PB 2R MBR	9080065	136	-
4-way rocker	Brushed brass	Brass	iONprime PB 4R MBR	9080072	136	-

KNX room controller iON



- Room controller, 20 functions, KNX TP, Data Secure
- Integrated temperature controller for regulating and controlling operating mode, temperature, and fan speed
- Access to the room controller via Bluetooth and operation with the iONplay app
- Secure commissioning and communication through support of KNX Data Secure
- LC display for showing functions, icons, and values
- Integrated temperature controller for regulating and controlling operating mode, temperature, and fan speed
- 20 freely configurable functions
- Free assignment of icons to functions (40 icons to choose from)
- Control of the following functions: switching, dimming, blinds, value transmitter, operating mode, scene, color control, sequence
- Display brightness individually adjustable via object or parameter
- Automatic brightness control of the display depending on the ambient brightness
- Function monitoring via object (signaling of disassembly)
- Vertical mounting of two iON push-button sensors on standard double socket with accessories possible
- Surface mounting possible with separate accessories (9080024/9080025 – see page 122)

Material	Color	Type	Art.-No.	SD	CE
Plastic	White (similar to RAL 9016)	iON 108 KNX	4969238	133	-
Plastic	Black (similar to RAL 9005)	iON 108 KNX BK	4969248	133	-
Plastic	Silver (similar to RAL 9006)	iON 108 KNX SR	4969268	133	-
Glass	White (similar to RAL 9016)	iON 108 KNX G WH	4969288	133	-
Glass	Black (similar to RAL 9005)	iON 108 KNX G BK	4969298	133	-

KNX push button sensors iON



- 2- or 4-way push button sensor, KNX TP, Data Secure
- Touch sensor with 2/4 buttons and 2/4 status LEDs with integrated temperature sensor
- Control of the following functions: switching, dimming, blinds, value transmitter, operating mode, scene, color control, sequence
- Secure commissioning and communication through support of KNX Data Secure
- Up to 3 different telegrams per button
- Send different telegrams with short, long, or double clicks
- Multicolor status LEDs with adjustable colors for each LED separately
- Behavior of each status LED adjustable: static, flashing, or pulsing
- Brightness of each status LED individually adjustable via object or parameter
- Automatic brightness control of the status LEDs depending on the ambient brightness
- Integrated temperature sensor for visualization and temperature control via heating actuators
- Function monitoring via object (signaling of disassembly)
- Vertical mounting of two iON push-button sensors on standard double socket with accessories possible
- Transparent cover for individual labeling included in delivery
- Surface mounting possible with separate accessories (9080024/9080025 – see page 122)

Design	Material	Color	Type	Art.-No.	SD	CE
2 buttons, 2 status LEDs	Plastic	White (similar to RAL 9016)	iON 102 KNX	4969232	133	-
4 buttons, 4 status LEDs	Plastic	White (similar to RAL 9016)	iON 104 KNX	4969234	133	-
2 buttons, 2 status LEDs	Plastic	Black (similar to RAL 9005)	iON 102 KNX BK	4969242	133	-
4 buttons, 4 status LEDs	Plastic	Black (similar to RAL 9005)	iON 104 KNX BK	4969244	133	-
2 buttons, 2 status LEDs	Plastic	Silver (similar to RAL 9006)	iON 102 KNX SR	4969252	133	-
4 buttons, 4 status LEDs	Plastic	Silver (similar to RAL 9006)	iON 104 KNX SR	4969254	133	-
2 buttons, 2 status LEDs	Glass	White (similar to RAL 9016)	iON 102 KNX G WH	4969282	133	-
4 buttons, 4 status LEDs	Glass	White (similar to RAL 9016)	iON 104 KNX G WH	4969284	133	-
2 buttons, 2 status LEDs	Glass	Black (similar to RAL 9005)	iON 102 KNX G BK	4969292	133	-
4 buttons, 4 status LEDs	Glass	Black (similar to RAL 9005)	iON 104 KNX G BK	4969294	133	-

KNX room air sensor



- KNX room air sensor, for measuring CO_2e concentration, relative humidity, temperature, and air pressure With integrated single-room temperature controller
- Optical display via LED traffic light system (green, yellow, red)
  Three independent, configurable thresholds for $_{CO2\ concentration}$ and relative humidity
- An action can be performed if the thresholds are exceeded or not reached (send, priority, switch, value)
  Display of the thresholds reached for $_{CO2\ concentration}$ and relative humidity via multicolored LEDs
- For controlling heating actuators or motorized actuators
- Two front panels are included in the scope of delivery: one absolute scale (mounted) and one relative scale (enclosed)
- Buttons for presence or operating modes: comfort, standby, night setback, frost protection
- 4 binary inputs for conventional switches/buttons (switching, dimming, blinds, value transmitter), also for external temperature sensor, window contact, or presence signal
- Temperature sensor can be connected to limit the floor temperature or measure the room temperature
- LED (red) for heating mode, (blue) for cooling mode

Type	Art.-No.	SD	CE
AMUN 716 S KNX	7169230	133	158

KNX single-room temperature controller



- Single-room temperature controller
- For controlling heating actuators or motorized actuators
- Can be used as a continuous or two-point controller (can also be combined)
- Continuous PI control configurable for 2-stage heating (basic and additional stage, e.g., underfloor heating and radiators) or for heating and cooling (radiators and cooling ceiling)
- Temperature sensor can be connected to limit the floor temperature
- Object for presence or operating modes Comfort, Standby, Night setback, Frost protection
- LED (red) for heating mode, (blue) for cooling mode
- 4 binary inputs for conventional switches / buttons (switches / buttons, dimming, blinds, value transmitters, LED control)
- RAMSES 718 P KNX
- With control elements
- Two front panels are included in the scope of delivery: one absolute and one relative scale
- Control wheel can be restricted via parameters
- Buttons for presence or operating modes: comfort, standby, night setback, frost protection

Type	Art.-No.	SD	CE
RAMSES 718 P KNX	7189210	133	158
RAMSES 718 S KNX	7189200	133	158

KNX weather station



- Meteodata 140 basic
- Combination sensor / weather station
- For fully automatic blind and sun protection control
- Data collection and evaluation directly in the device
- 10 universal channels for wind, temperature, brightness
- Sun protection for up to three facades thanks to 3 integrated brightness sensors
- 3 sun protection channels
- 4 additional threshold channels for connecting external KNX sensors
- 6 logic channels
- Meteodata 140 S
- Combination sensor / weather station
- For fully automatic blind and sun protection control with automatic sun tracking
- Rain sensor with heating
- 10 universal channels for wind, rain, temperature, brightness
- Data collection and evaluation directly in the device
- Sun protection for up to eight facades thanks to 3 integrated brightness sensors
- 8 sun protection channels
- 4 additional threshold channels for connecting external KNX sensors
- 6 logic channels
- GPS versions
- Integrated GPS receiver (provides additional time signal)
- Automatic calculation of elevation and azimuth
- Operation without mains voltage possible, but the GPS module will not function

recording	With GPS module	Operating voltage	Type	Art.-No.	SD	CE
Wind, rain, brightness, temperature	-	15 - 34 V DC	Meteodata 140 S 24V KNX	1409201	133	-
Wind, rain, brightness, temperature, time	√	15 - 34 V DC	Meteodata 140 S 24V GPS KNX	1409204	133	-
Wind, rain, brightness, temperature	-	110 - 230 V AC	Meteodata 140 S KNX	1409207	133	158
Wind, rain, brightness, temperature, time	√	110 - 230 V AC	Meteodata 140 S GPS KNX	1409208	133	158
Wind, brightness, temperature	-		Meteodata 140 basic KNX	1409205	133	158

KNX twilight switch



- Twilight switch / light control device
- External light sensor included
- For brightness-dependent control
- 10 channels
- 4 threshold value channels for connecting external KNX sensors (e.g., temperature)
- 6 logic channels
- Up to 3 digital brightness sensors can be connected
- Convenient manual operation
- 4 buttons for entering threshold values and delay times
- DuoFix spring-loaded terminals
- For 2 conductors each
- Wire or stranded wire (with or without ferrule)
- Wire diameter: 0.5 - 2.5 mm²
- Actuating button for releasing the plug connection
- Display lighting (can be switched off)
- Threshold values can be displayed, accessed, and changed on the display
- PIN coding

Type	Art.-No.	SD	CE
LUNA 134 KNX	1349200	136	-

KNX brightness sensor



- Brightness sensors
- For brightness-dependent control in outdoor areas
- Brightness range from 1-100,000 lux
- Ideal for combining with Theben weather stations for individual sun protection control

Type	Art.-No.	SD	CE
LUNA 133 KNX	1339200	136	-

KNX brightness/temperature sensor



- Brightness and temperature sensor
- For brightness and temperature-dependent control in outdoor areas
- 5 freely configurable channels: 1 sun protection channel and 4 universal channels
- Sun protection channel with automatic sun protection specifically for blind, awning, and roller shutter applications
- Universal channels enable the linking of brightness and temperature
- Brightness range from 1-100,000 lux
- Temperature range -20 °C to + 55 °C
- Teach-in object for brightness threshold

Type	Art.-No.	SD	CE
LUNA 131 S KNX	1319201	136	-

KNX Time switches



- Digital time switch with annual and astro program
- App programming possible thanks to integrated BLEModule
- Secure commissioning and communication through support of KNX Data Secure
- Time synchronization by connecting an external DCF or GNSS antenna; with GNSS, additional position determination for astro program
- 8 channels
- DuoFix spring-loaded terminals for 2 conductors each
- Text-oriented user guidance on the display
- 800 memory locations
- Interface for OBELISK top2 memory card (PC programming)
- 8-year power reserve (lithium battery)
- ON-OFF switching times
- Pulse program
- Cycle program
- Extensive annual clock functions
- Astronomical switching function (automatic calculation of sunrise and sunset times for the entire year)
- Circuit preselection
- Continuous ON/OFF switch
- Sequence time switch
- Integrated operating hours counter
- Holiday program
- 2 random programs
- Display lighting (can be switched off)
- PIN coding
- Automatic summer/winter time changeover
- Time and date synchronization from other bus participants

Type	Art.-No.	SD	CE
TR 648 top3 RC KNX	6489130	136	-

KNX indoor clocks



- OSIRIA 220 AR KNX, OSIRIA 230 AR KNX, OSIRIA 240 AR KNX
- KNX indoor clock, round, single-sided
- Black bar hands for hour and minute display, red second hand
- White metal dial with black Arabic numerals
- Impact-resistant plastic housing
- Matt finish bezel
- Flat, shock-resistant plexiglass
- Dial diameter:
- 250 mm / 300 mm / 400 mm
- OSIRIA 230 SR KNX, OSIRIA 240 SR KNX
- KNX indoor clock, round, single-sided
- Black bar hands for hour and minute display, red second hand
- White metal dial with black fine line numerals
- Impact-resistant plastic housing
- Matt finish bezel
- Flat, shock-resistant plexiglass
- Dial diameter: 300 mm / 400 mm
- OSIRIA 241 BR KNX, OSIRIA 241 AR KNX
- KNX indoor clock, round, single-sided
- Metal housing, silver metallic (RAL 9006 white aluminum)
- Black bar hands for hour and minute display, red second hand
- White metal dial with black DIN bar numerals or Arabic numerals
- Curved, impact-resistant plexiglass
- Dial diameter: 400 mm
- OSIRIA 242 AR KNX, OSIRIA 242 SR KNX
- KNX indoor clock, round, double-sided
- With wall or ceiling mount (150 mm)
- White dial
- Black Arabic numerals or black thin-line numerals
- Black bar hands for hour and minute display, red second hand
- White lacquered metal housing
- Shock-resistant plexiglass
- Dial diameter: 400 mm
- OSIRIA 251 BQ KNX
- KNX indoor clock, square, single-sided
- Limited ball impact resistance, e.g., for sports halls, schools, etc.
- White metal dial with black bar numerals
- Black bar hands for hour and minute display, red second hand
- Single-sided, white lacquered metal housing (RAL 9016) for heavy-duty use
- Laminated safety glass
- Tamper-proof 3-point mounting
- Dial: 400 mm x 400 mm
- OSIRIA 232 BQ KNX
- KNX indoor clock, square, single-sided, for flush mounting (for operating rooms)
- White metal dial with black bar numerals
- Black bar hands for hour and minute display, red second hand
- Stainless steel V4A housing frame flush with tiles or flush with wall for flush mounting (UP)
- Resistant to acids, cleaning agents, and disinfectants; dust- and water-protected in installed state according to protection class IP 54 (DIN 40050)
- Flat mineral glass 3 mm
- Dial: 250 x 250 mm

Housing material	Dial dimensions	Type of numerals	Power reserve	Type	Art.-No.
Plastic case	Ø 250 mm	Arabic numerals	10 days	OSIRIA 220 AR KNX	5009200
Plastic case	Ø 300 mm	Arabic numerals	10 days	OSIRIA 230 AR KNX	5009210
Plastic case	Ø 300 mm	Fine-line numerals	10 days	OSIRIA 230 SR KNX	5009211
Plastic case	Ø 400 mm	Arabic numerals	10 days	OSIRIA 240 AR KNX	5009230
Plastic case	Ø 400 mm	Fine-line numerals	10 days	OSIRIA 240 SR KNX	5009231
Silver metallic lacquered metal case	Ø 400 mm	Arabic numerals	10 days	OSIRIA 241 AR KNX	5009240
Silver metallic lacquered metal case	Ø 400 mm	Bar numerals	10 days	OSIRIA 241 BR KNX	5009241
White lacquered metal housing	Ø 400 mm	Arabic numerals	10 days	OSIRIA 242 AR KNX	5009250
White lacquered metal housing	Ø 400 mm	Fine-line numerals	10 days	OSIRIA 242 SR KNX	5009251
White lacquered metal housing	400 x 400 mm	Bar numerals	10 days	OSIRIA 251 BQ KNX	5009252
Stainless steel housing	250 mm x 250 mm	Bar numerals	10 days	OSIRIA 232 BQ KNX	5009223

The perfect pair for lighting control: presence detectors and DALI-2

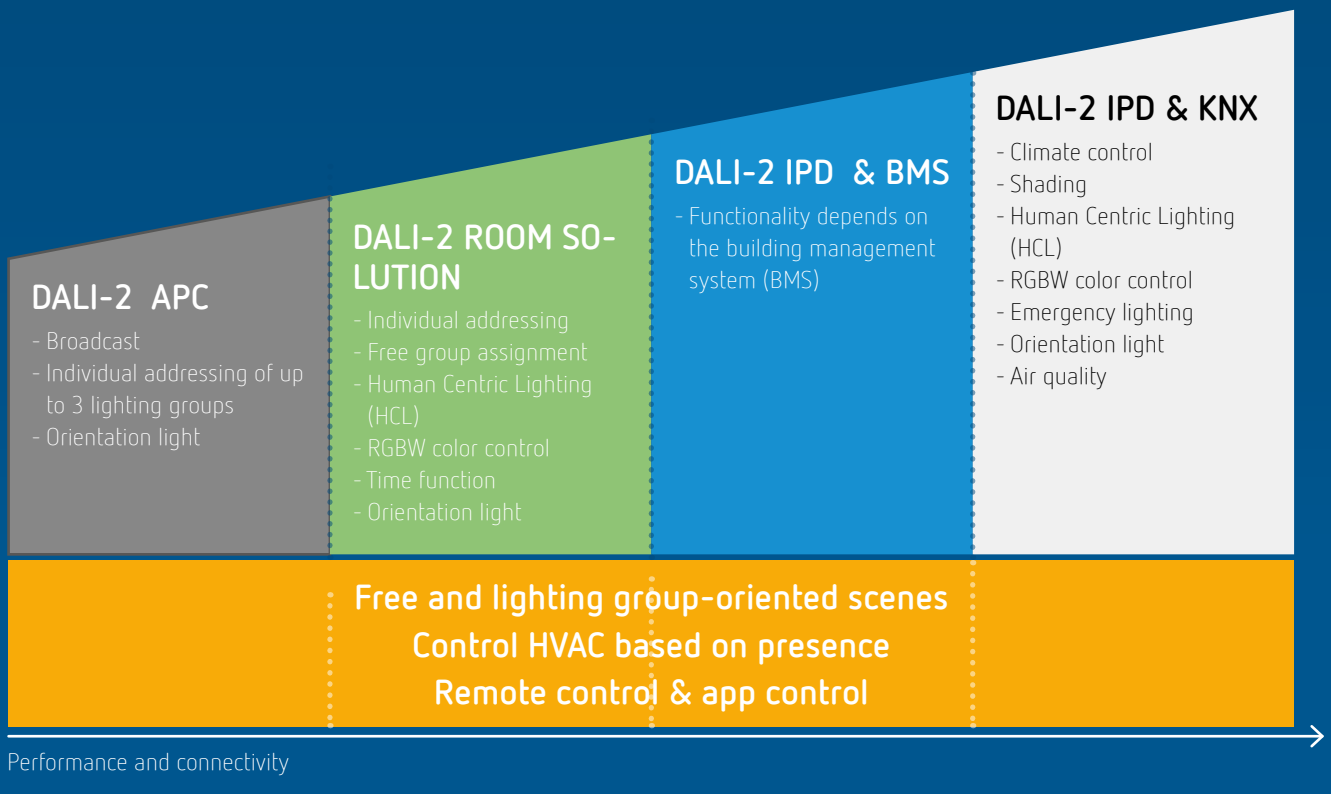
Theben offers a wide range of DALI-2 application controllers (presence detectors) and input devices (presence sensors) for almost every requirement. DALI-2 broadcast application controllers (presence detectors) enable high-quality standard solutions with easy commissioning, a lighting group with constant light control, and orientation lighting. In addition, an external DALI-2 relay can be easily integrated, for example for HVAC applications.

Addressable DALI-2 application controllers (presence detectors) allow flexible assignment of up to three lighting groups on a DALI line with constant light control and orientation lighting. The devices offer 2- or 3-channel mixed light measurement. In addition, the buttons can be conveniently assigned to the individual lighting groups via remote control or button.

With the DALI-2 Room Solution, you can implement individual, DALI-2-based lighting controls with HCL functionality, RGBW light and time-controlled functions. And it's as easy as using broadcast alarms. All DALI-2 input devices (presence sensors) can also be integrated into the DALI-2 Room Solution.

Theben DALI-2 input devices (presence sensors) can be operated with any multimaster application controller that complies with IEC 62386 parts 101/104. This allows you to connect your DALI-2 lighting management system to the higher-level control system of a building management system.

A wide range of KNX/DALI gateways provides a bridge to the KNX world and thus additional functionality such as shading and climate control.



	Mounting type	Detection range Trans-verse	Detection range Seated	Protection class	Type	page
DALI-2 Room Solution Presence detector						
	Ceiling flush-mounted	452 m² (ø 24 m | 360°)	28 m² (ø 6 m | 360°)	IP 54	theRonda P360 DALI-2 HCL UP WH	46
DALI-2 Room Solution Switch Actuator flush-mounted						
	Wall	-	-	IP 20	SU 1 DALI-2	46
DALI-2 Room Solution Push Button Interface flush-mounted						
	Wall	-	-	IP 20	TA 4 S DALI-2	46
DALI-2 Application Controller (presence detector) theRonda P360-330 DALI						
	Ceiling flush-mounted	452 m² (ø 24 m | 360°)	28 m² (ø 6 m | 360°)	IP 54	theRonda P360-330 DALI UP	47
DALI-2 Application Controller (presence detector) theRonda DALI						
	Ceiling flush-mounted	452 m² (ø 24 m | 360°)	28 m² (ø 6 m | 360°)	IP 54	theRonda P360-110 DALI UP	47
		50 m² (ø 8 m | 360°)	13 m² (ø 4 m | 360°)	IP 54	theRonda S360-110 DALI UP	47
DALI-2 Application Controller (presence detector) thePassa DALI						
	Ceiling flush-mounted	150 m² (30,0 x 5 m)	-	IP 54	thePassa P360-221 DALI	48
DALI-2 Input Device (presence sensor) theRonda DALI-2 S						
	Ceiling flush-mounted	452 m² (ø 24 m | 360°)	28 m² (ø 6 m | 360°)	IP 54	theRonda P360 DALI-2 S UP WH	48
		50 m² (ø 8 m | 360°)	13 m² (ø 4 m | 360°)	IP 54	theRonda S360 DALI-2 S UP WH	48
DALI-2 Input Device (presence sensor) thePassa P360 DALI-2 S						
	Ceiling flush-mounted	150 m² (30,0 x 5 m)	-	IP 54	thePassa P360 DALI-2 S UP WH	49
DALI-2 Input Device (presence sensor) PlanoSpot 360 DALI-2 S						
	False ceilings	49 m² (7,0 x 7,0 m)	20 m² (4,5 x 4,5 m | 360°)	IP 20	PlanoSpot 360 DALI-2 S DE WH	49
CASAMBI module						
	-	-	-	IP 64	LIGA.AIR.DALI.Theben	49

Overview of indoor detectors with pre-assembled cable and Wieland / WAGO connectors, see pages 62 / 63

DALI-2 Room Solution Presence detector



Function description DALI-2 Room Solution

- The DALI-2 Room Solution is a DALI-2 single-room solution that handles all aspects of lighting control.
- Compared to DALI-2 APC, the DALI-2 Room Solution offers new functionalities such as HCL function, TW/RGB functionality, time-controlled functions, and more
- All key components (presence detector, switch actuator, push-button interface) and the app for commissioning are available from a single source for the single-room solution

theRonda P360 DALI-2 HCL UP WH

- Passive infrared presence detector (DALI-2 APC) for flush-mounted ceiling installation, DALI-2 certified
- Circular detection area 360°, Ø 24 m, (452 m²) at 3 m mounting height
- DALI-2 addressable up to 4 channels of light
- Evaluates the information from the DALI push-button interfaces and controls the actuators such as DALI ECGs or DALI relays in accordance with the DALI-2 standard
- Color temperature control based on the time of day HCL (Human Centric Lighting)
- Operation with RGBW light sources
- Time-controlled actions via integrated time switch
- Flexible assignment of up to 4 lighting groups, plus up to 4 switching groups and 2 presence groups via app
- Constant light control or dimmable lighting in switching mode with and without daylight influence, orientation light
- Switching mode and constant light control without presence influence
- Adaptive 3-channel light measurement
- Scenes can now be created with any DALI ECGs and called up via universal remote control or push button
- Easy integration of up to 4 DALI push-button interfaces (16 push buttons) via app
- Simple, intuitive commissioning and operation thanks to app, bidirectional communication via BLE and thus easy reading of all parameters
- Connection protection to prevent unauthorized manipulation
- Dimming speed for manual dimming adjustable in 2 stages
- Self-learning follow-up time
- Shortened follow-up time for short periods of presence (short-term presence)
- Teach-in function
- Adjustable detection sensitivity
- Extremely simple setting of energy-saving behavior (eco/eco plus)
- Selectable control speed
- Manual override via app, universal remote control, or button
- Fully or semi-automatic
- Test mode for checking function and detection range
- Easy expansion of the detection range through automatic integration of DALI-2 presence sensors
- "DALI-2 RS Plug" app (for iOS/Android/Windows)
- Universal remote control "theSenda B" (optional)
- Area restriction with cover clips (optional)

Mounting type	Detection area transverse	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted	452 m² (ø 24 m | 360°)	White	theRonda P360 DALI-2 HCL UP WH	2080095	137	158	125

Other colors available on request!

DALI-2 Room Solution Switch Actuator



- 1-way DALI-2 switch actuator
- For controlling consumers with 230 V AC mains voltage such as lamps, fans, pumps, etc.
- Also suitable for low-voltage applications or control of a higher-level control system (HVAC), etc.
- Compact relay module for direct control of loads via the DALI bus in accordance with IEC 62386 Part 208
- Powerful relay suitable for loads with high inrush current, such as LED lights
- Adjustable switch-on level after bus voltage failure
- The switching thresholds of the relay can be easily set via the DALI bus
- A DALI bus participant and addressable in accordance with 62386 Part 102
- Power supply via the DALI bus
- Easy installation in standard flush-mounted boxes

Type	Art.-No.	SD	CE
SU 1 DALI-2	4940091	137	159

DALI-2 Room Solution Push Button Interface



- 4-way DALI-2 push button interface
- 4 inputs for connecting potential-free push buttons
- Push buttons of the "normally open" or "normally closed" contact type can be used; the contact type can be set in the memory bank
- 2 additional inputs for connecting variable resistors, e.g., slide switches, potentiometers, or various Theben temperature sensors in accordance with the IEC 62386 Part 302 standard; the sensor is selected in the memory bank
- The button interface is identified via the LED
- A DALI bus participant and addressable in accordance with 62386 Part 102
- Power supply via the DALI bus
- Easy installation in standard flush-mounted boxes

Type	Art.-No.	SD	CE
TA 4 S DALI-2	4960094	137	159

DALI-2 APC (Application Controller) theRonda P360-330 DALI



- Passive infrared presence detector for flush-mounted ceiling installation, DALI-2 certified
  Round detection area 360°, Ø 24 m, (452m²) at 3 m mounting height
- 3 channels of light DALI-2 addressable + 1 light channel with additional DALI relay (4940091)
- Use of the DALI relay (4940091) as a light channel or presence channel for HVAC applications
- DALI-2 technology in accordance with IEC 62386 Parts 101 and 103
- Simple, intuitive configuration of DALI groups
- Up to 3 pushbutton inputs
- Use of conventional push buttons for maximum design freedom
- Flexible assignment of buttons to the desired light channel via remote control
- Operation Switching or constant light control with standby functionality
- Switching operation with dimmable lighting
- Fully or semi-automatic
- Brightness switching value or setpoint adjustable in lux
- Teach-in of brightness switching value or setpoint via remote control or button
- Setting of the room correction factor (automatic brightness measurement adjustment)
- Light follow-up time adjustable
- Adaptive 3-channel light measurement
- Short-term presence
- Self-learning follow-up time
- Extremely simple setting of energy-saving behavior (eco / eco plus)
- Selectable control speed
- Manual override via remote control or push button
- Behavior after button operation selectable (school / office)
- Test mode light
- Test mode presence
- Adjustable with remote control
- Scenes
- PIR sensitivity adjustable
- Restriction of detection range
- Optimized handling by installer during mounting, wiring, and commissioning
- Parallel connection of multiple presence detectors (master / slave or master / master), use of 230 V devices and / or with DALI-2 sensors possible
- Compatible detectors for parallel connection of 230 V presence detectors (master / slave): theRonda S360 Slave UP (2080530), theRonda P360 Slave UP (2080030), thePrema S360 Slave E UP (2070630), thePrema P360 Slave E UP (2070130), thePassa P360 Slave UP (2010330)
- Compatible detectors for parallel connection DALI-2 sensors: theRonda S360 DALI-2 S (2080590), theRonda P360 DALI-2 S (2080090), thePassa P360 DALI-2 S (2010390), PlanoSpot 360 DALI-2 S (2030190)

Mounting type	Detection area transverse	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted	452 m² (ø 24 m | 360°)	White	theRonda P360-330 DALI UP WH	2080045	137	158	125

Other colors available on request!

DALI-2 APC (Application Controller) theRonda DALI



- Passive infrared presence detector for flush-mounted ceiling installation, DALI-2 certified
- 1 channel light DALI-2 broadcast
- DALI-2 technology in accordance with IEC 62386 Parts 101 and 103
- 1 push button input
- Use of conventional push buttons for maximum design freedom
- Operation Switching or constant light control with standby functionality
- Switching operation with dimmable lighting
- Fully or semi-automatic
- Brightness switching value or setpoint adjustable in lux
- Teach-in of brightness switching value or setpoint via remote control or button
- Setting of the room correction factor (automatic brightness measurement adjustment)
- Light follow-up time adjustable
- Adaptive 1-channel light measurement
- Short-term presence
- Self-learning follow-up time
- Extremely simple setting of energy-saving behavior (eco / eco plus)
- Selectable control speed
- Manual override via remote control or push button
- Behavior after button operation selectable (school / office)
- Test mode light
- Test mode presence
- Adjustable with remote control
- Scenes
- PIR sensitivity adjustable
- Restriction of detection range
- Optimized handling by installer during mounting, wiring, and commissioning

Mounting type	Detection area transverse	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted	452 m² (ø 24 m | 360°)	White	theRonda P360-110 DALI UP WH	2080040	137	159	125
Flush-mounted	50 m² (ø 8 m | 360°)	White	theRonda S360-110 DALI UP WH	2080580	137	159	125

Other colors available on request!

DALI-2 APC (Application Controller) thePassa DALI



- Passive infrared presence detector for flush-mounted ceiling installation, DALI-2 certified
  Rectangular detection area 360°, 30 x 4.5 m, (135 m²) at 3 m mounting height, for corridors and warehouse aisles, with 2 individually switchable detection zones
- 2 channels light DALI-2 addressable or 1 channel light DALI-2 broadcast
- DALI-2 technology in accordance with IEC 62386 Parts 101 and 103
- Simple, intuitive configuration of DALI groups
- Up to 2 pushbutton inputs
- Use of conventional push buttons for maximum design freedom
- Flexible assignment of buttons to the desired light channel via remote control
- Operation Switching or constant light control with standby functionality
- Switching operation with dimmable lighting
- Fully or semi-automatic
- Easy integration of an external DALI relay possible via an additional group, e.g., for HVAC applications
- Brightness switching value or setpoint adjustable in lux
- Teach-in of brightness switching value or setpoint via remote control or button
- Setting of the room correction factor (automatic brightness measurement adjustment)
- Light follow-up time adjustable
- Adaptive 2-channel light measurement
- Short-term presence
- Self-learning follow-up time
- Extremely simple setting of energy-saving behavior (eco / eco plus)
- Selectable control speed
- Manual override via remote control or push button
- Behavior after button operation selectable (school / office)
- Test mode light
- Test mode presence
- Adjustable with remote control
- Scenes
- PIR sensitivity adjustable
- Restriction of detection range
- Parallel connection of several presence detectors (master / slave or master / master)
- Optimized handling by installer during mounting, wiring, and commissioning

Mounting type	Detection area transverse	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted	150 m² (30,0 x 5 m)	White	thePassa P360-221 DALI UP WH	2010340	137	159	127

Other colors available on request!

DALI-2 IPC (Input Device) theRonda DALI-2 S



- Passive infrared presence sensor for flush-mounted ceiling installation, DALI-2 certified
- This device provides information about "presence" and "brightness" as a DALI telegram in accordance with IEC 62386 Part 303 / 304
- 1 instance for presence
- Easy adjustment of brightness measurement
- Test mode for checking function and detection range
- Adjustable detection sensitivity
- Configurable via DALI bus or remote control
- The user remote controls "theSenda S" or "theSenda B" can be used to dim or switch the lights, control the blinds, or for other functions via the higher-level control system
- Ceiling installation in flush-mounted box
- Ceiling installation possible with AP frame 110A (optional)
- Area restriction with cover clips (optional)
- App remote control "theSenda B" (optional) and associated app "theSenda Plug" (for iOS / Android)
- A multi-master application controller is required for commissioning / control and configuration. This must support parts 101 / 103 and optionally 301 / 303 / 304 in accordance with IEC 62386

Mounting type	Detection area transverse	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted	452 m² (ø 24 m | 360°)	White	theRonda P360 DALI-2 S UP WH	2080090	137	159	125
Flush-mounted	50 m² (ø 8 m | 360°)	White	theRonda S360 DALI-2 S UP WH	2080590	137	159	125

Other colors available on request!

DALI-2 IPC (Input Device) thePassa P360 DALI-2 S



- Passive infrared presence sensor for flush-mounted ceiling installation, DALI-2 certified
  Rectangular detection area 360°, 30 x 4.5 m, (135 m²) at 3 m mounting height, for corridors and warehouse aisles, with 2 individually switchable detection zones
- This device provides information about "presence" and "brightness" as a DALI telegram in accordance with IEC 62386 Part 303/304
- 3 instances for presence - Detection area Zone 1 + 2 / Zone 1 / Zone 2
- 2-way mixed light measurement, suitable for fluorescent lamps (FL/PL/ESL), halogen/incandescent lamps, and LEDs
- 3 instances for brightness – Zone 1 + 2 / Zone 1 / Zone 2
- Easy adjustment of brightness measurement
- Test mode for checking function and detection range
- Adjustable detection sensitivity
- Configurable via DALI bus or remote control
- The user remote controls "theSenda S" or "theSenda B" can be used to dim or switch the lights, control the blinds, or for other functions via the higher-level control system
- Ceiling installation in flush-mounted box
- Ceiling installation possible with AP frame 110A (optional)
- Area restriction with cover clips (optional)
- App remote control "theSenda B" (optional) and associated app "theSenda Plug" (for iOS/Android)
- A multi-master application controller is required for commissioning/control and configuration. This must comply with IEC 62386 parts 101/103 and optionally 301/303/304

Mounting type	Detection area transverse	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted	150 m² (30,0 x 5 m)	White	thePassa P360 DALI-2 S UP WH	2010390	137	159	127

Other colors available on request!

DALI-2 IPC (Input Device) PlanoSpot 360 DALI-2 S



- Passive infrared presence sensor for ceiling mounting, DALI-2 certified
  Square detection area 360°, 7 x 7 m, (49 m²) at 3 m mounting height
- This device provides information about "presence" and "brightness" as a DALI telegram in accordance with IEC 62386 Part 303/304
- 2 instances for presence - detection zone standard / reduced
- Swiveling optics for adjusting the detection range
- 3 mixed light measurements
- 4 instances for brightness – interior / center / window / integral
- Easy adjustment of brightness measurement
- Test mode for checking function and detection range
- Adjustable detection sensitivity
- Configurable via DALI bus or remote control
- The user remote controls "theSenda S" or "theSenda B" can be used to dim or switch the lights, control the blinds, or for other functions via the higher-level control system
- Flat design with interchangeable cover frames in various colors

Mounting type	Detection range transverse	Color	Type	Art.-No.	SD	CE	DA
False ceilings	49 m² (7,0 x 7,0 m)	White	PlanoSpot 360 DALI-2 S DE WH	2030190	134	159	124

Other colors available on request!

CASAMBI module



- Smallest DALI module for 100-240 V AC, up to 50 DALI participants
- Lowest power consumption, max. 3 watts
- Easy commissioning via CASAMBI
- Control via the free Casambi app
- Input voltage range of 100-240 V AC
- DALI-BUS output up to max. 100 mA
- CES housing
- The compact design of the housing allows for easy installation in a flush-mounted box or cable duct
- Compatible with the following DALI-2 sensors: theRonda S360 DALI-2 S (2080590), theRonda P360 DALI-2 S (2080090), thePassa P360 DALI-2 S (2010390) and PlanoSpot 360 DALI-2 S (2030190)

Type	Art.-No.	SD	CE
LIGA.AIR.DALI.Theben	4960080	137	159

LUXA 103 presence detector
For indoor and outdoor use
The new definition of standard


Ceiling installation or flush mounting


Surface mounting with gray surface-mounted accessories


Surface mounting with black surface-mounted accessories

LUXA 103 presence detectors are a versatile family of devices for efficient lighting and HVAC control in indoor and outdoor areas. The devices with a round detection area are ideal for use in offices, meeting rooms, storage rooms, basements, and restrooms. LUXA 103 corridor detectors with a rectangular detection area control the lighting in corridors, hallways, and passageways.

Now also available in a KNX version for ceiling installation!

- → Convenient adjustment via app and remote control, remote control only, or potentiometers
- → For surface mounting, ceiling mounting, or flush mounting
- → Corridor detectors in matching design language
- → Device variant with second channel for HVAC control
- → Integrated push-button input
- → Protection class IP 54
- → Perfect for high LED switching loads (at 230 V)
- → Can be networked with other LUXA 103 devices or theMura Slave (at 230 V)

PIRA T motion detector
Always the right choice
Advantages at a glance





→ **Quick installation:** Thanks to the plug-in terminals optimally installed at a 45° angle, wiring is a breeze — even with 2 x 2.5 mm²² conductors.

→ **Optimized for LEDs:** LED switching load and zero-crossing switching ensure long service life

→ **Permanent light measurement:** The light is switched off when there is enough daylight - even when there is movement in the detection area.

→ **Tested to SENSNORM and Theben standards:** Precise motion detection, even at higher room temperatures.



Wiring in no time thanks to 45° angle plug-in terminals.



Easy wiring thanks to practical bracket for the sensor part.

Presence and motion detectors
Indoor detectors

	Mounting type	Detection area transverse	Detection area sitting	Reference height	Channels	LED lamp	Protection class	Type	Page
Conventional mini presence detector thePiccola Ø 8 m									
	False ceilings	50 m² (ø 8 m | 360°)	3 m² (ø 2 m | 360°)	2,5 m	Light	600 W	IP 55 (sensor), IP 20 (power supply)	thePiccola P360-100 DE WH	56
Conventional presence detector LUXA 103 Ø 12 m									
	Flush-mounted, false ceilings	113 m² (ø 12 m | 360°)	20 m² (ø 5 m | 360°)	3 m	Light	400 W	IP 54	LUXA 103 S360-100-12 DE-UP WH	56
					Light | Presence	400 W	IP 54	LUXA 103 S360-101-12 DE-UP WH	56
	Ceiling-mounted	113 m² (ø 12 m | 360°)	20 m² (ø 5 m | 360°)	3 m	Light	400 W	IP 54	LUXA 103 S360-100-12 AP WH	56
				3 m	Light | Presence	400 W	IP 54	LUXA 103 S360-101-12 AP WH	56
Conventional presence detector LUXA 103 for corridors 28 x 5 m									
	Flush-mounted, false ceilings	140 m² (28,0 x 5 m)	-	3 m	Light	400 W	IP 54	LUXA 103 S360-100-28 DE-UP WH	56
	Ceiling-mounted	140 m² (28,0 x 5 m)	-	3 m	Light	400 W	IP 54	LUXA 103 S360-100-28 AP WH	56
Conventional presence detector LUXA 104 Ø 24 m									
	Flush-mounted, false ceilings	452 m² (ø 24 m | 360°)	13 m² (ø 4 m | 360°)	3 m	2 x light	600 W	IP 40	LUXA 104 S360-200-24 DE-UP WH	57
Conventional presence detector theRonda S360 FLAT DE Ø 8 m									
	False ceilings	50 m² (ø 8 m | 360°)	13 m² (ø 4 m | 360°)	3 m	Light	250 W	IP 54	theRonda S360-100 DE	57
					Light | Presence	250 W	IP 54	theRonda S360-101 DE	57
Conventional presence detector theRonda S360 DE Ø 8 m									
	False ceilings	50 m² (ø 8 m | 360°)	13 m² (ø 4 m | 360°)	3 m	Light	250 W	IP 54	theRonda S360-100 DE	57
					Light | Presence	250 W	IP 54	theRonda S360-101 DE	57
Conventional presence detector theRonda S360 AP Ø 8 m									
	Ceiling-mounted	50 m² (ø 8 m | 360°)	13 m² (ø 4 m | 360°)	3 m	Light	250 W	IP 54	theRonda S360-100 AP	58
					Light | Presence	250 W	IP 54	theRonda S360-101 AP	58
Conventional presence detector theRonda S360 UP Ø 8 m									
	Flush-mounted	50 m² (ø 8 m | 360°)	13 m² (ø 4 m | 360°)	3 m	Light	600 W	IP 54	theRonda S360-100 UP	58
					Light | Presence	600 W	IP 54	theRonda S360-101 UP	58
					-	-	IP 54	theRonda S360 Slave UP	58
Conventional presence detector theRonda P360 UP Ø 24 m									
	Flush-mounted	452 m² (ø 24 m | 360°)	28 m² (ø 6 m | 360°)	3 m	Light	600 W	IP 54	theRonda P360-100 M	59
					Light | Presence	600 W	IP 54	theRonda P360-101 M	59
					-	-	IP 54	theRonda P360 Slave	59
Conventional presence detector thePassa P360 UP for corridors 30 x 5 m									
	Flush-mounted	150 m² (30,0 x 5 m)	-	3 m	Light | Presence	600 W	IP 54	thePassa P360-101	59
				3 m	-	-	IP 54	thePassa P360 Slave	59
Conventional presence detector thePrema S360 UP 7 x 7 m									
	Flush-mounted	49 m² (7,0 x 7,0 m)	25 m² (5 x 5 m | 360°)	3 m	Light | Presence	600 W	IP 40	thePrema S360-101 E	60
					Light	600 W	IP 40	thePrema S360-100 E	60
					-	-	IP 40	thePrema S360 Slave E	60
Conventional presence detector thePrema P360 UP 9 x 9 m									
	Flush-mounted	81 m² (9,0 x 9,0 m)	49 m² (7 x 7 m | 360°)	3 m	Light | Presence	600 W	IP 40	thePrema P360-101 E	60
					-	-	IP 40	thePrema P360 Slave E	60

	Mounting type	Detection area transverse	Detection area sitting	Reference height	Channels	LED lamp	Protection class	Type	Page
Conventional presence/motion detector theMura wall mounting									
	Flush-mounted	238 m² (14 x 17 m)	-	1,1 m	Light	450 W	IP 20	theMura S180-100 UP WH	61
		238 m² (14 x 17 m)	-	1,1 m	Light | Presence	450 W	IP 20	theMura S180-101 UP WH	61
		160 m² (16 x 10 m)	-	2,2 m	Light | Presence	450 W	IP 20	theMura S180-101 2.20 UP WH	61
		238 m² (14 x 17 m)	-	1,1 m	-	-	IP 20	theMura S180 Slave UP WH	61
		238 m² (14 x 17 m)	-	1,1 m	Light (with ELPA)	-	IP 20	theMura S180-100 2W UP WH	61
Mini conventional motion detector thePiccola Ø 8 m									
	False ceilings	50 m² (ø 8 m | 360°)	-	2,5 m	Light	600 W	IP 55 (sensor), IP 20 (power supply)	thePiccola S360-100 DE WH	62
Conventional motion detector theMova S360 FLAT DE Ø 8 m									
	False ceilings	50 m² (ø 8 m | 360°)	-	3 m	Light	250 W	IP 54	theMova S360-100 DE	62
					Light | Presence	250 W	IP 54	theMova S360-101 DE	62
Conventional motion detector theMova S360 DE Ø 8 m									
	False ceilings	50 m² (ø 8 m | 360°)	-	3 m	Light	250 W	IP 54	theMova S360-100 DE	62
					Light | Presence	250 W	IP 54	theMova S360-101 DE	62
Conventional motion detector theMova S360 AP Ø 8 m									
	Ceiling-mounted	50 m² (ø 8 m | 360°)	-	3 m	Light	250 W	IP 54	theMova S360-100 AP	62
					Light | Presence	250 W	IP 54	theMova S360-101 AP	62
Conventional PIRA motion detector									
	False ceilings	50 m² (ø 8 m | 360°)	7 m² (ø 3 m | 360°)	2,5 m	Light	200 W	IP 21	PIRA T8 DE	62
					Light | Presence	200 W	IP 21	PIRA T8-2 DE	62
	False ceilings	28 m² (ø 6 m | 360°)	3 m² (ø 2 m | 360°)	2,5 m	Light	200 W	IP 21	PIRA T6 Mini	62
	Ceiling-mounted	50 m² (ø 8 m | 360°)	7 m² (ø 3 m | 360°)	2,5 m	Light	200 W	IP 21	PIRA T8 AP	62
	False ceilings	75 m² (25 x 3 m | 360°)	-	2,5 m	Light	200 W	IP 21	PIRA TC EN	62
	Ceiling-mounted	75 m² (25 x 3 m | 360°)		2,5 m	Light	200 W	IP 21	PIRA TC AP	62
Conventional motion detector theMova P360 UP Ø 24 m									
	Flush-mounted	452 m² (ø 24 m | 360°)	-	3 m	Light	600 W	IP 54	theMova P360-100 UP	63
Conventional motion detector LUXA 103 UP/DE Ø 12 m									
	Flush-mounted, false ceilings	113 m² (ø 12 m | 360°)	-	3 m	Light	400 W	IP 40	LUXA 103-100 UA WH	63
Conventional motion detector LUXA 103 Wall mounting									
	Flush-mounted	100 m² (ø 16 m | 200°)	-	2 m	Light	-	IP 40	LUXA 103-200 T	61

Overview of indoor detectors with pre-assembled cable and Wieland/WAGO connectors, see Pages 62/63

Presence and motion detectors
Indoor detectors

Conventional mini presence detector thePiccola Ø 8 m



- Passive infrared presence detector for ceiling mounting
- Round detection area 360°, Ø 8 m, (50 m²) at 2.5 m mounting height
- 1 channel light (relay 230 V)
- Automatic presence and brightness-dependent control for lighting
- Mixed light measurement suitable for fluorescent lamps (FL/PL/ESL), halogen/incandescent lamps, and LEDs
- Can be operated as fully or semi-automatic, switchable
- Adjustable brightness switching value, teach-in function
- Pulse function for Staircase time switches
- Adjustable run-on time
- Test mode for checking function and detection range
- Connection option for push button for manual switching
- Extension of the detection range through master/slave switching
- Ready for immediate use thanks to factory presetting
- Ceiling cutout Ø 34–36 mm
- Remote control possible with optional remote controls theSenda B, theSenda P, and theSenda S

Mounting type	Detection area transverse	Switching output	LED lamp	Color	Type	Art.-No.	SD	CE	DA
False ceilings	50 m² (ø 8 m | 360°)	Light	600 W	White	thePiccola P360-100 DE WH	2090200	137	159	124
				Black	Cover 46 BK	9070797			

Other colors available on request!

Conventional presence detector LUXA 103 Ø 12 m



- Passive infrared presence detector
- Round detection range 360°, Ø 12 m (113 ft²) at 3 m mounting height
- Extension of the detection range through parallel connection
- Connection option for push button for manual switching
- Can be operated as fully or semi-automatic
- Directional brightness measurement (mixed light measurement)
- Teach-in function, pulse function, test function, staircase lighting function
- Ready for immediate use thanks to factory presetting
- Values and settings can be changed using potentiometers and one of these optional remote controls:
- App/universal remote control theSenda B
- Service remote control theSenda P
- Optional user remote control for manual override theSenda S/theSenda B
- Restriction of the detection range with cover clips
- Also suitable for outdoor applications; changing the installation location reduces the detection range to Ø 8 m

Mounting type	Detection area transverse	Switching output	LED lamp	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted, false ceilings	113 m² (ø 12 m | 360°)	Light	400 W	White	LUXA 103 S360-100-12 DE-UP WH	1030052	137	160	126
Flush-mounted, false ceilings	113 m² (ø 12 m | 360°)	Light | Presence	400 W	White	LUXA 103 S360-101-12 DE-UP WH	1030053	137	160	126
Ceiling-mounted	113 m² (ø 12 m | 360°)	Light	400 W	White	LUXA 103 S360-100-12 AP WH	1030062	137	160	126
Ceiling-mounted	113 m² (ø 12 m | 360°)	Light | Presence	400 W	White	LUXA 103 S360-101-12 AP WH	1030063	137	160	126

Conventional presence detector LUXA 103 for corridors 28 x 5 m



Rectangular detection area 360°, 28 x 5 m (140m²) at 3 m mounting height
- 1 channel light (relay 230 V)
- Extension of the detection range through parallel connection
- Connection option for push button for manual switching
- Can be operated as fully or semi-automatic
- Directional brightness measurement (mixed light measurement)
- Teach-in function, pulse function, test function, staircase lighting function
- Ready for immediate use thanks to factory presetting
- Adjustment via remote control/app or potentiometer
- Restriction of the detection range with cover clips
- Also suitable for outdoor applications; changing the installation location reduces the detection range

Mounting type	Detection area transverse	Switching output	LED lamp	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted, false ceilings	140 m² (28,0 x 5 m)	Light	400 W	White	LUXA 103 S360-100-28 DE-UP WH	1030072	137	160	126
Ceiling-mounted	140 m² (28,0 x 5 m)	Light	400 W	White	LUXA 103 S360-100-28 AP WH	1030082	138	160	126

Conventional presence detector LUXA 104 Ø 24 m



- Presence detector (PIR) for flush-mounted or ceiling-mounted installation indoors
  Round detection range 360°, Ø 24 m (452m²) at 3 m installation height
- Switching output 2 channels light with 2 light measurements (relay 230 V)
- Automatic motion and brightness-dependent control for lighting
- Mixed light measurement suitable for fluorescent lamps (FL/PL/ESL), halogen/incandescent lamps, and LEDs
- Can be operated as fully or semi-automatic, switchable
- Adjustable brightness switching value
- Teach-in function
- Shortened follow-up time for short periods of presence (short-term presence)
- Connection option for push button
- Pulse function for Staircase time switches
- Restriction of the detection range using clips
- Adjustable detection sensitivity
- Extension of the detection range via master/slave or master/master connection; a maximum of 10 detectors can be connected in parallel
- Ceiling installation possible with Surface frame
- Ready for immediate use thanks to factory presetting
- Optional app remote control theSenda B, service remote control theSenda P, and user remote control theSenda S

Mounting type	Detection area transverse	Switching output	LED lamp	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted, false ceilings	452 m² (ø 24 m | 360°)	2 x light	600 W	White	LUXA 104 S360-200-24 DE-UP WH	1040200	138	160	126

Conventional presence detector theRonda S360 FLAT DE Ø 8 m



- Passive infrared presence detector for ceiling mounting
- Circular detection area 360°, Ø 8 m, (50 m²) at 3 m mounting height
- Mixed light measurement suitable for fluorescent lamps (FL/PL/ESL), halogen/incandescent lamps, and LEDs
- Operation as fully automatic
- Adjustable brightness switching value, teach-in function
- Pulse function for Staircase time switches
- Adjustable run-on time
- Test mode for checking function and detection range
- Adjustable detection sensitivity
- Ready for immediate use thanks to factory presetting (brightness switching value
- 300 lux, follow-up time 10 minutes)
- The values and settings can be changed using one of these optional remote controls:
- App/universal remote control
- theSenda B
- Service remote control theSenda P
- Optional user remote control for manual override theSenda S/theSenda B

Mounting type	Detection area transverse	Switching output	LED lamp	Color	Type	Art.-No.	SD	CE	DA
False ceilings	50 m² (ø 8 m | 360°)	Light	250 W	White	theRonda S360-100 FLAT DE WH	2080540	138	160	125
False ceilings	50 m² (ø 8 m | 360°)	Light | Presence	250 W	White	theRonda S360-101 FLAT DE WH	2080545	138	160	125
				Gray	Cover FLAT 85 GR	9070597			
				Black	Cover FLAT 85 BK	9070853			

Other colors available on request!

Conventional presence detector theRonda S360 DE Ø 8 m



- Passive infrared presence detector for ceiling mounting
- Circular detection area 360°, Ø 8 m, (50 m²) at 3 m mounting height
- Mixed light measurement suitable for fluorescent lamps (FL/PL/ESL), halogen/incandescent lamps, and LEDs
- Operation as fully automatic
- Adjustable brightness switching value, teach-in function
- Pulse function for Staircase time switches
- Adjustable run-on time
- Test mode for checking function and detection range
- Adjustable detection sensitivity
- Ready for immediate use thanks to factory presetting (brightness switching value
- 300 lux, follow-up time 10 minutes)
- The values and settings can be changed using one of these optional remote controls:
- App/universal remote control
- theSenda B
- Service remote control theSenda P
- Optional user remote control for manual override theSenda S/theSenda B

Mounting type	Detection area transverse	Switching output	LED lamp	Color	Type	Art.-No.	SD	CE	DA
False ceilings	50 m² (ø 8 m | 360°)	Light	250 W	White	theRonda S360-100 DE WH	2080560	138	160	125
False ceilings	50 m² (ø 8 m | 360°)	Light | Presence	250 W	White	theRonda S360-101 DE WH	2080565	138	160	125
				Gray	Cover 85 GR	9070594			
				Black	Cover 85 BK	9070852			

Other colors available on request!

Presence and motion detectors
Indoor detectors

Conventional presence detector theRonda S360 AP Ø 8 m



- Passive infrared presence detector for ceiling mounting
- Circular detection area 360°, Ø 8 m, (50 m²) at 3 m mounting height
- Mixed light measurement suitable for fluorescent lamps (FL/PL/ESL), halogen/incandescent lamps, and LEDs
- Operation as fully automatic
- Adjustable brightness switching value, teach-in function
- Pulse function for Staircase time switches
- Adjustable run-on time
- Test mode for checking function and detection range
- Adjustable detection sensitivity
- Ready for immediate use thanks to factory presetting (brightness switching value
- 300 lux, follow-up time 10 minutes)
- The values and settings can be changed using one of these optional remote controls:
- App/universal remote control
- theSenda B
- Service remote control theSenda P
- Optional user remote control for manual override theSenda S/theSenda B

Mounting type	Detection area transverse	Switching output	LED lamp	Color	Type	Art.-No.	SD	CE	DA
Ceiling-mounted	50 m² (ø 8 m | 360°)	Light	250 W	White	theRonda S360-100 AP WH	2080550	135	160	125
Ceiling-mounted	50 m² (ø 8 m | 360°)	Light	250 W	Gray	theRonda S360-100 AP GR	2080551	135	160	125
Ceiling-mounted	50 m² (ø 8 m | 360°)	Light	250 W	Black	theRonda S360-100 AP BK	2080552	135	160	125
Ceiling-mounted	50 m² (ø 8 m | 360°)	Light | Presence	250 W	White	theRonda S360-101 AP WH	2080555	135	160	125
Ceiling-mounted	50 m² (ø 8 m | 360°)	Light | Presence	250 W	Gray	theRonda S360-101 AP GR	2080556	135	160	125
Ceiling-mounted	50 m² (ø 8 m | 360°)	Light | Presence	250 W	Black	theRonda S360-101 AP BK	2080557	135	160	125

Other colors available on request!

Conventional presence detector theRonda S360 UP Ø 8 m



- Passive infrared presence detector for ceiling mounting
- Circular detection area 360°, Ø 8 m, (50 m²) at 3 m mounting height
- Mixed light measurement suitable for fluorescent lamps (FL/PL/ESL), halogen/incandescent lamps, and LEDs
- Can be operated as fully or semi-automatic, switchable
- Adjustable brightness switching value, teach-in function
- Shortened follow-up time for short periods of presence (short-term presence)
- Connection option for push button or
- switch for manual switching with automatic detection of push button/switch
- Pulse function for Staircase time switches
- Restriction of the detection range using clips
- Adjustable sensitivity
- Ready for immediate use thanks to factory presetting
- Test mode for checking function and detection range
- Ceiling installation in flush-mounted box
- Ceiling installation possible with Surface frame
- The values and settings can be changed using one of these optional remote controls:
- App/universal remote control
- theSenda B
- Service remote control theSenda P
- Optional user remote control for manual override theSenda S/theSenda B

Mounting type	Detection area transverse	Switching output	LED lamp	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted	50 m² (ø 8 m | 360°)	Light	600 W	White	theRonda S360-100 UP WH	2080520	137	161	125
Flush-mounted	50 m² (ø 8 m | 360°)	Light | Presence	600 W	White	theRonda S360-101 UP WH	2080525	137	161	125
Flush-mounted	50 m² (ø 8 m | 360°)	Slave	-	White	theRonda S360 Slave UP WH	2080530	137	161	125
				Gray	Cover 110 GR	9070591			
				Black	Cover 110 BK	9070851			

Other colors available on request!

Conventional presence detector theRonda P360 UP Ø 24 m



- Passive infrared presence detector for ceiling mounting
- Circular detection area 360°, Ø 24 m, (452 m²) at 3 m mounting height
- Mixed light measurement suitable for fluorescent lamps (FL/PL/ESL), halogen/incandescent lamps, and LEDs
- Can be operated as fully or semi-automatic, switchable
- Adjustable brightness switching value, teach-in function
- Shortened follow-up time for short periods of presence (short-term presence)
- Connection option for push button or
- switch for manual switching with automatic detection of push button/switch
- Pulse function for Staircase time switches
- Restriction of the detection range using clips
- Adjustable sensitivity
- Ready for immediate use thanks to factory presetting
- Test mode for checking function and detection range
- Ceiling installation in flush-mounted box
- Ceiling installation possible with Surface frame
- The values and settings can be changed using one of these optional remote controls:
- App/universal remote control
- theSenda B
- Service remote control theSenda P
- Optional user remote control for manual override theSenda S/theSenda B

Mounting type	Detection area transverse	Switching output	LED lamp	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted	452 m² (ø 24 m | 360°)	Light	600 W	White	theRonda P360-100 M UP WH	2080020	137	161	125
Flush-mounted	452 m² (ø 24 m | 360°)	Light | Presence	600 W	White	theRonda P360-101 M UP WH	2080025	137	161	125
Flush-mounted	452 m² (ø 24 m | 360°)	Slave	-	White	theRonda P360 Slave UP WH	2080030	137	161	125
				Gray	Cover 110 GR	9070591			
				Black	Cover 110 BK	9070851			

Other colors available on request!

Conventional presence detector thePassa P360 flush-mounted for corridors 30 x 2 m



- Passive infrared presence detector for ceiling mounting
- Rectangular detection area 360°,
- 30 x 4.5 m (135 m²) at 3 m mounting height
- 1 channel light (230 V relay) and 1 channel presence (potential-free relay for HVAC control)
- 2 separate detection zones
- Automatic motion and brightness-dependent control for lighting and motion-dependent control for HVAC
- 2-way mixed light measurement suitable for fluorescent lamps (FL/PL/ESL), halogen/incandescent lamps, and LEDs
- Can be operated as fully or semi-automatic, switchable
- Adjustable brightness switching value, teach-in function
- Shortened follow-up time for short periods of presence (short-term presence)
- Setting of the room correction factor (automatic brightness measurement adjustment)
- Connection option for push buttons or switches for manual switching with automatic push button/switch detection
- Pulse function for Staircase time switches
- Switch-on delay and follow-up time can also be set separately for the presence channel
- Restriction of the detection range using clips
- Adjustable sensitivity
- Ready for immediate use thanks to factory presetting
- Test mode for checking function and detection range
- Extension of the detection range through master/slave or master/master switching-
- circuit, maximum of 10 detectors can be connected in parallel
- Ceiling installation in flush-mounted box
- Ceiling installation possible with Surface frame
- Values and settings can be changed using potentiometers and one of these optional remote controls:
- App/universal remote control
- theSenda B
- Service remote control theSenda P
- Optional user remote control for manual override theSenda S/theSenda B

Mounting type	Detection area transverse	Switching output	LED lamp	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted	150 m² (30,0 x 5 m)	Light | Presence	600 W	White	thePassa P360-101 UP WH	2010300	137	162	126
Flush-mounted	150 m² (30,0 x 5 m)	Slave	-	White	thePassa P360 Slave UP WH	2010330	137	161	126
				Gray	Cover 110 GR	9070591			
				Black	Cover 110 BK	9070851			

Other colors available on request!

Presence and motion detectors
Indoor detectors

Conventional presence detector thePrema S360 UP 7 x 7 m



- Passive infrared presence detector for ceiling mounting
- Square detection range 360°, 7 x 7 m (49 m2) at 3 m mounting height
- Mixed light measurement suitable for fluorescent lamps (FL/PL/ESL), halogen/incandescent lamps, and LEDs
- Can be operated as fully or semi-automatic, switchable
- Adjustable brightness switching value, teach-in function
- Self-learning follow-up time
- Shortened follow-up time for short periods of presence (short-term presence)
- Connection option for push buttons or switches for manual switching with automatic push button/switch detection
- Pulse function for Staircase time switches
- Easy adjustment of energy-saving behavior with the "eco plus" function
- Staircase lighting function
- Ready for immediate use thanks to factory presetting
- Test mode for checking function and detection range
- Extension of the detection range via master/slave or master/master connection; a maximum of 10 detectors can be connected in parallel
- Ceiling installation in flush-mounted box
- Ceiling installation possible with Surface frame
- Values and settings can be changed using potentiometers and one of these optional remote controls:
- App/universal remote control theSenda B
- Service remote control theSenda P
- Optional user remote control for manual override theSenda S/theSenda B

Mounting type	Detection area transverse	Switching output	LED lamp	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted	49 m² (7,0 x 7,0 m)	Light | Presence	600 W	White	thePrema S360-101 E UP WH	2070605	138	161	124
Flush-mounted	49 m² (7,0 x 7,0 m)	Light | Presence	600 W	Gray	thePrema S360-101 E UP GR	2070606	138	161	124
Flush-mounted	49 m² (7,0 x 7,0 m)	Light | Presence	600 W	Black	thePrema S360-101 E UP BK	2070607	138	161	124
Flush-mounted	49 m² (7,0 x 7,0 m)	Light	600 W	White	thePrema S360-100 E UP WH	2070600	138	161	124
Flush-mounted	49 m² (7,0 x 7,0 m)	Light	600 W	Gray	thePrema S360-100 E UP GR	2070601	138	161	124
Flush-mounted	49 m² (7,0 x 7,0 m)	Light	600 W	Black	thePrema S360-100 E UP BK	2070602	138	161	124
Flush-mounted	49 m² (7,0 x 7,0 m)	Slave	-	White	thePrema S360 Slave E UP WH	2070630	138	162	124
Flush-mounted	49 m² (7,0 x 7,0 m)	Slave	-	Gray	thePrema S360 Slave E UP GR	2070631	138	162	124
Flush-mounted	49 m² (7,0 x 7,0 m)	Slave	-	Black	thePrema S360 Slave E UP BK	2070632	138	162	124

Other colors available on request!

Conventional presence detector thePrema P360 UP 9 x 9 m



- Passive infrared presence detector for ceiling mounting
- Square detection area 360°,
- 9 x 9 m (81 m2) at 3 m mounting height
- 1 channel light (230 V relay) and 1 channel presence (potential-free relay for HVAC control)
- Automatic motion and brightness-dependent control for lighting and motion-dependent control for HVAC
- 3-way mixed light measurement suitable for fluorescent lamps (FL/PL/ESL), halogen/incandescent lamps, and LEDs
- Light measurement switchable to spot or wide measurement
- Can be operated as fully or semi-automatic, switchable
- Adjustable brightness switching value, teach-in function
- Self-learning follow-up time
- Shortened follow-up time for short periods of presence (short-term presence)
- Pulse function for Staircase time switches
- Connection option for push buttons or switches for manual switching with automatic push button/switch detection
- Room monitoring with selective motion detection
- Switch-on delay and follow-up time can also be set separately for the presence channel
- Easy adjustment of energy-saving behavior with the "eco plus" function
- Light and presence relay operating mode with flexible selection of theSenda B remote control
- Ready for immediate use thanks to factory presetting
- Test mode for checking function and detection range, staircase lighting function
- Extension of the detection range via master/slave or master/master connection; a maximum of 10 detectors can be connected in parallel
- Ceiling installation possible with Surface frame
- Values and settings can be changed using potentiometers and one of these optional remote controls:
- App/universal remote control theSenda B
- Service remote control theSenda P
- Optional user remote control for manual override theSenda S/theSenda B

Mounting type	Detection area transverse	Switching output	LED lamp	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted	81 m² (9,0 x 9,0 m)	Light | Presence	600 W	White	thePrema P360-101 E UP WH	2070105	138	161	124
Flush-mounted	81 m² (9,0 x 9,0 m)	Light | Presence	600 W	Gray	thePrema P360-101 E UP GR	2070106	138	161	124
Flush-mounted	81 m² (9,0 x 9,0 m)	Light | Presence	600 W	Black	thePrema P360-101 E UP BK	2070107	138	161	124
Flush-mounted	81 m² (9,0 x 9,0 m)	Slave	-	White	thePrema P360 Slave E UP WH	2070130	138	162	124
Flush-mounted	81 m² (9,0 x 9,0 m)	Slave	-	Gray	thePrema P360 Slave E UP GR	2070131	138	162	124
Flush-mounted	81 m² (9,0 x 9,0 m)	Slave	-	Black	thePrema P360 Slave E UP BK	2070132	138	162	124

Other colors available on request!

Conventional presence / motion detector theMura wall mounting





- Passive infrared presence / motion detector for flush-mounted wall installation
- Rectangular detection range 170°
- Mixed light measurement suitable for fluorescent lamps (FL / PL / ESL), halogen / incandescent lamps, and LEDs
- Integrated push button (can be deactivated)
- Available with and without cover frame
- Also suitable for many common switch ranges (with accessories)
- Area restriction included in delivery
- theMura S180-100 UP
- Motion detector (PIR)
- 1 channel light (relay 230 V)
- Operation as fully or semi-automatic
- Adjustable brightness switching value, teach-in function
- Adjustable run-on time
- Staircase lighting function, long-term function
- Extension of the detection range via master / slave circuit, max. 6 detectors
- theMura S180-101 UP / theMura S180-101 2.20 UP
- Presence detector (PIR)
- 1 channel light (230 V relay) and 1 channel presence (potential-free relay for HVAC control)
- Operation as fully or semi-automatic
- Connection option for external push button
- Adjustable brightness switching value, teach-in function
- Automatic adjustment of brightness measurement
- Switch-on delay and follow-up time can also be set separately for the presence channel
- Shortened follow-up time for short periods of presence (short-term presence)
- Staircase lighting function, long-term function
- Adjustable sensitivity
- Integrated orientation light
- Acoustic function
- Extension of the detection range possible via master / slave connection with additional theMura detectors, max. 6 detectors
- Values and settings can be changed using potentiometers and one of these optional remote controls:
- App / universal remote control theSenda B
- Service remote control theSenda P
- Optional user remote control for manual override theSenda S / theSenda B
- theMura S180 Slave UP
- Slave version for:
- - theMura S180-100 UP WH
- - theMura S180-100 B flush-mounted
- - theMura S180-101 UP WH
- - theMura S180-101 B UP
- theMura S180-100 2W UP
- Motion detector (PIR)
- 1 channel light, only for controlling a Staircase time switch from Theben (ELPA, 4-wire circuit), no load switchable
- Ideal for replacing existing push buttons (no N conductor required)
- Adjustable brightness switching value, teach-in function
- Delay time is set on the Staircase time switch
- Parallel connection of up to 12 detectors to one ELPA possible

Mounting type	Detection area transverse	Mounting height	Switching output	LED lamp	Product type	Type	Art.-No.	SD	CE	DA
Flush-mounted	238 m² (14 x 17 m)	0,8-1,2 m	Light	450 W	Motion detector	theMura S180-100 UP WH	2060650	138	162	124
Flush-mounted	238 m² (14 x 17 m)	0,8-1,2 m	Light | Presence	450 W	Presence detector	theMura S180-101 UP WH	2060655	138	162	124
Flush-mounted	160 m² (16 x 10 m)	2,2 m	Light | Presence	450 W	Presence detector	theMura S180-101 2.20 UP WH	2060658	138	162	124
Flush-mounted	238 m² (14 x 17 m)	0,8-1,2 m	Slave	-	Motion detector	theMura S180 Slave UP WH	2060660	139	162	124
Flush-mounted	238 m² (14 x 17 m)	0,8-1,2 m	Light (with ELPA)	-	Motion detector	theMura S180-100 2W UP WH	2060670	139	163	124
Flush-mounted	238 m² (14 x 17 m)	0,8-1,2 m	Light	450 W	Motion detector	theMura S180-100 B UP	2060750	138	162	124
Flush-mounted	238 m² (14 x 17 m)	0,8-1,2 m	Light | Presence	450 W	Presence detector	theMura S180-101 B UP	2060755	138	162	124
Flush-mounted	238 m² (14 x 17 m)	0,8-1,2 m	Slave	-	Motion detector	theMura S180 Slave B UP	2060760	139	162	124
Flush-mounted	238 m² (14 x 17 m)	0,8-1,2 m	Light (with ELPA)	-	Motion detector	theMura S180-100 2W B UP	2060770	139	163	124

Conventional motion detector LUXA 103 Wall mounting



- Passive infrared motion detector for wall mounting Semicircular detection range 200°, Ø 16 m, (100m²)
- 1 channel light (Triac 230 V), 2-wire connection Ideal for retrofitting, not suitable for LED lights
- Compatible with brand-name switches, replaces conventional light switches
- Mixed light measurement suitable exclusively for incandescent and halogen lamps
- Area limitation via cover clip
- Manual switching AUTO / ON / OFF
- Teach-in of the current brightness value
- Switch-off warning by dimming 15 seconds before the light is switched off
- Immediate commissioning possible thanks to factory presetting
- No unintentional adjustment due to concealed adjustment elements
- Brightness switching value and follow-up time adjustable
- Sensitivity can be reduced to limit the detection range
- Test function for checking the detection range

Mounting type	Detection area transverse	Switching output	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted	100 m² (Ø 16 m)	Light	White	LUXA 103-200 T	1030031	139	164	128

Presence and motion detectors
Indoor detectors

Mini conventional motion detector thePiccola Ø 8 m



- Passive infrared motion detector for ceiling mounting
- Round detection range 360°, Ø 8 m, (50 m²) at 2.5 m mounting height
- 1 channel light (relay 230 V)
- Automatic motion and brightness-dependent control for lighting
- Mixed light measurement suitable for fluorescent lamps (FL/PL/ESL), halogen/incandescent lamps, and LEDs
- Operation as fully automatic
- Adjustable brightness switching value, teach-in function
- Pulse function for Staircase time switches
- Adjustable run-on time
- Extension of the detection range through master/slave switching
- Test mode for checking function and detection range
- Ceiling cutout Ø 34–36 mm
- Ready for immediate use thanks to factory presetting

Mounting type	Detection area transverse	Switching output	LED lamp	Color	Type	Art.-No.	SD	CE	DA
False ceilings	50 m² (ø 8 m | 360°)	Light	600 W	White	thePiccola S360-100 DE WH	1060200	137	163	127
				Black	Cover 46 BK	9070797			

Conventional PIRA motion detector/presence detector



- Motion detector/presence detector (PIR) for indoor ceiling mounting
- 1 channel light, relay 230 V, (with PIRA T8-2 DE an additional channel presence, relay potential-free for HVAC control)
- Automatic motion and brightness-dependent control for lighting
- Mixed light measurement
- Fully automatic operation
- Brightness switching value adjustable via potentiometer
- Follow-up time adjustable via potentiometer
- Ready for immediate use thanks to factory presetting (brightness switching value 100 lux, follow-up time 2 min.)

Mounting type	Detection area transverse	Switching output	LED lamp	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted	50 m² (ø 8 m | 360°)	Light	200 W	White	PIRA T8 DE	1030200	139	163	125
Flush-mounted	50 m² (ø 8 m | 360°)	Light | Presence	200 W	White	PIRA T8-2 DE	1030201	139	163	125
Flush-mounted	28 m² (ø 6 m | 360°)	Light	200 W	White	PIRA T6 Mini	1030202	139	163	125
Ceiling-mounted	50 m² (ø 8 m | 360°)	Light	200 W	White	PIRA T8 AP	1030203	139	163	125
Flush-mounted	75 m² (25 x 3 m | 360°)	Light	200 W	White	PIRA TC DE	1030204	139	163	126
Ceiling-mounted	75 m² (25 x 3 m | 360°)	Light	200 W	White	PIRA TC AP	1030205	139	163	126

Conventional motion detector theMova S360 DE Ø 8 m



- Passive infrared motion detector for ceiling mounting
- Circular detection area 360°, Ø 8 m, (50 m²) at 3 m mounting height
- Mixed light measurement suitable for fluorescent lamps (FL/PL/ESL), halogen/incandescent lamps, and LEDs
- Operation as fully automatic
- Adjustable brightness switching value, teach-in function
- Pulse function for Staircase time switches
- Adjustable run-on time
- Test mode for checking function and detection range
- Adjustable detection sensitivity
- Ready for immediate use thanks to factory presetting (brightness switching value
- 300 lux, follow-up time 10 minutes)
- The values and settings can be changed using one of these optional remote controls:
- App/universal remote control
- theSenda B
- Service remote control theSenda P
- Optional user remote control for manual override theSenda S/theSenda B

Mounting type	Detection area transverse	Switching output	LED lamp	Color	Type	Art.-No.	SD	CE	DA
False ceilings (flat)	50 m² (ø 8 m | 360°)	Light	250 W	White	theMova S360-100 FLAT DE WH	1030540	138	163	127
False ceilings (flat)	50 m² (ø 8 m | 360°)	Light | Presence	250 W	White	theMova S360-101 FLAT DE WH	1030545	138	163	127
				Gray	Cover FLAT 85 GR	9070597			
				Black	Cover FLAT 85 BK	9070853			
False ceilings	50 m² (ø 8 m | 360°)	Light	250 W	White	theMova S360-100 DE WH	1030560	138	163	127
False ceilings	50 m² (ø 8 m | 360°)	Light | Presence	250 W	White	theMova S360-101 DE WH	1030565	138	163	127
				Gray	Cover 85 GR	9070594			
				Black	Cover 85 BK	9070852			

Other colors available on request!

Conventional motion detector theMova S360 AP Ø 8 m



- Passive infrared motion detector for ceiling mounting
- Circular detection area 360°, Ø 8 m, (50 m²) at 3 m mounting height
- Mixed light measurement suitable for fluorescent lamps (FL/PL/ESL), halogen/incandescent lamps, and LEDs
- Operation as fully automatic
- Adjustable brightness switching value, teach-in function
- Pulse function for Staircase time switches
- Adjustable run-on time
- Test mode for checking function and detection range
- Adjustable detection sensitivity
- Ready for immediate use thanks to factory presetting (brightness switching value
- 300 lux, follow-up time 10 minutes)
- The values and settings can be changed using one of these optional remote controls:
- App/universal remote control theSenda B
- Service remote control theSenda P
- Optional user remote control for manual override theSenda S/theSenda B

Mounting type	Detection area transverse	Switching output	LED lamp	Color	Type	Art.-No.	SD	CE	DA
Ceiling-mounted	50 m² (ø 8 m | 360°)	Light	250 W	White	theMova S360-100 AP WH	1030550	135	160	127
Ceiling-mounted	50 m² (ø 8 m | 360°)	Light	250 W	Gray	theMova S360-100 AP GR	1030551	135	160	127
Ceiling-mounted	50 m² (ø 8 m | 360°)	Light	250 W	Black	theMova S360-100 AP BK	1030552	135	160	127
Ceiling-mounted	50 m² (ø 8 m | 360°)	Light | Presence	250 W	White	theMova S360-101 AP WH	1030555	135	160	127
Ceiling-mounted	50 m² (ø 8 m | 360°)	Light | Presence	250 W	Gray	theMova S360-101 AP GR	1030556	135	160	127
Ceiling-mounted	50 m² (ø 8 m | 360°)	Light | Presence	250 W	Black	theMova S360-101 AP BK	1030557	135	160	127

Other colors available on request!

Conventional motion detector theMova P360 UP Ø 24 m



- Passive infrared motion detector for ceiling mounting, flush-mounted
- Circular detection area 360°, Ø 24 m, (452 m2) at 3 m mounting height
- 1 channel light (relay 230 V)
- Restriction of the detection range with cover clips
- Automatic motion and brightness-dependent control for lighting
- Mixed light measurement suitable for fluorescent lamps (FL/PL/ESL), halogen/incandescent lamps, and LEDs
- Operation as fully automatic
- Adjustable brightness switching value, teach-in function
- Pulse function for Staircase time switches
- Adjustable run-on time
- Adjustable detection sensitivity
- Ready for immediate use thanks to factory presetting
- Test mode for checking function and detection range
- Ceiling installation in flush-mounted box
- Ceiling installation possible with Surface frame, IP 54 (optional)
- User remote control theSenda S (optional)
- Universal remote control theSenda B (optional)
- Installation remote control theSenda P (optional)

Mounting type	Detection area transverse	Switching output	LED lamp	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted	452 m² (ø 24 m | 360°)	Light	600 W	White	theMova P360-100 UP WH	1030600	137	164	127
				Gray	Cover 110 GR	9070591			
				Black	Cover 110 BK	9070851			

Other colors available on request!

Conventional motion detector LUXA 103 UP/DE Ø 12 m



- Passive infrared motion detector
- Round detection range 360°, Ø 12 m, (113m²) at 3 m mounting height
- 1 channel light (230 V relay) with acoustic function
- Activation via PIR sensor, deactivation via microphone
- Ceiling mounting, flush-mounted or recessed ceiling installation with removable clamps
- Surface mounting with accessories Surface mounting frame
- Mixed light measurement suitable for controlling fluorescent, incandescent, and halogen lamps
- Zero-crossing switching for relay-friendly switching and high lamp loads
- Cover clips for area restriction
- Immediate commissioning possible thanks to factory presetting
- No unintentional adjustment due to concealed adjustment elements
- Brightness switching value and follow-up time adjustable
- Sensitivity can be reduced to limit the detection range
- Pulse function
- Test function for checking the detection range

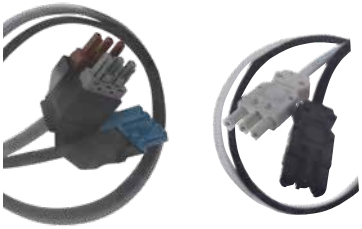
Mounting type	Detection area transverse	Switching output	LED lamp	Color	Type	Art.-No.	SD	CE	DA
Flush-mounted, false ceilings	113 m² (ø 12 m | 360°)	Light	400 W	White	LUXA 103-100 UA WH	1030045	139	164	127

Presence and motion detectors
Indoor detectors with cable and plugs | Conventional or DALI-2

theMova motion detector with pre-assembled cable and plugs



- Motion detector (PIR), with pre-assembled cable and plugs
- Cable length 0.9 m
- Round detection range 360°, Ø 8 m, (50m²) at 3 m mounting height

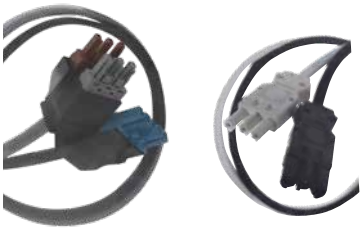


Description	Detection area	Technology	Plug	Type	Art.-No.	CE	DA
Power supply and transmission to the light fixture	50 m² (ø 8 m | 360°)	230 V	Wieland GST	theMova S360-100 GST	1030570	164	127
			WAGO WINSTA	theMova S360-100 WIN	1030575	164	127

theRonda Presence detector with pre-assembled cable and plugs



- Presence detector (PIR), with pre-assembled cable and plugs
- Cable length 0.9 m
- Round detection range 360°

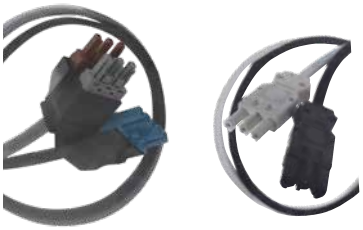


Description	Detection area	Technology	Plug	Type	Art.-No.	CE	DA
Power supply and transmission to the light fixture	50 m² (ø 8 m | 360°)	230 V	Wieland GST	theRonda S360-100 UP GST	2080510	164	125
			WAGO WINSTA	theRonda S360-100 UP WIN	2080511	164	125
Power supply and transmission to the luminaire	50 m² (ø 8 m | 360°)	230 V	Wieland GST	theRonda S360-100 DE GST	2080570	164	125
			WAGO WINSTA	theRonda S360-100 DE WIN	2080575	164	125
Power supply and transmission to the luminaire, 1 pushbutton input, 1 secondary input	50 m² (ø 8 m | 360°)	230 V	Wieland GST	theRonda S360-101 SP GST	2080514	164	125
			WAGO WINSTA	theRonda S360-101 SP WIN	2080515	165	125
Power supply and transmission to the light, 1 secondary output	50 m² (ø 8 m | 360°)	230 V	Wieland GST	theRonda S360 Slave S GST	2080512	165	125
			WAGO WINSTA	theRonda S360 Slave S WIN	2080513	165	125
Power supply and transmission to the luminaire	452 m² (ø 24 m | 360°)	230 V	Wieland GST	theRonda P360-100 GST	2080010	165	125
			WAGO WINSTA	theRonda P360-100 WIN	2080015	165	125
Power supply and transmission to the luminaire, 1 pushbutton input, 1 secondary input	452 m² (ø 24 m | 360°)	230 V	Wieland GST	theRonda P360-101 SP GST	2080050	165	125
			WAGO WINSTA	theRonda P360-101 SP WIN	2080051	165	125
Power supply and transmission to the light, 1 secondary output	452 m² (ø 24 m | 360°)	230 V	Wieland GST	theRonda P360 Slave S GST	2080052	165	125
			WAGO WINSTA	theRonda P360 Slave S WIN	2080053	165	125
DALI power supply and bus communication, 1 push button input, 1 secondary input	50 m² (ø 8 m | 360°)	DALI-2	Wieland GST	theRonda S360-110 DALI SP GST	2080516	165	125
			WAGO WINSTA	theRonda S360-110 DALI SP WIN	2080517	165	125
DALI power supply and bus communication, 1 push button input, 1 secondary input	452 m² (ø 24 m | 360°)	DALI-2	Wieland GST	theRonda P360-110 DALI SP GST	2080054	165	125
			WAGO WINSTA	theRonda P360-110 DALI SP WIN	2080055	165	125
DALI power supply and bus communication, 3 push button inputs	452 m² (ø 24 m | 360°)	DALI-2	Wieland GST	theRonda P360-330 DALI 3P GST	2080056	165	125
			WAGO WINSTA	theRonda P360-330 DALI 3P WIN	2080057	166	125
DALI power supply and bus communication, 1 push button input, 1 secondary input	452 m² (ø 24 m | 360°)	DALI-2	WAGO WINSTA	theRonda P360-330 DALI SP WIN	2080058	166	125

thePassa corridor detector with pre-assembled cable and plugs



- Presence detector (PIR), with pre-assembled cable and plugs
- Cable length 0.9 m
- Rectangular detection area 360°, 135 m² (30 x 4.5 m)

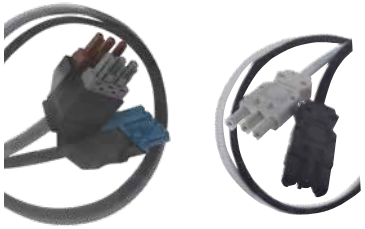


Description	Detection area	Technology	Plug	Type	Art.-No.	CE	DA
Power supply and transmission to the light fixture	135 m² (30 x 4,5 m | 360°)	230 V	Wieland GST	thePassa P360-101 GST	2010310	166	126
			WAGO WINSTA	thePassa P360-101 WIN	2010311	166	126
Power supply and forwarding to the luminaire, 1 push button input	135 m² (30 x 4,5 m | 360°)	230 V	Wieland GST	thePassa P360-101 P GST	2010312	166	126
			WAGO WINSTA	thePassa P360-101 P WIN	2010313	166	126
DALI power supply and bus communication, 1 push button input	135 m² (30 x 4,5 m | 360°)	DALI-2	Wieland GST	thePassa P360-221 DALI P GST	2010314	166	127
			WAGO WINSTA	thePassa P360-221 DALI P WIN	2010315	166	127

LUXA 103 presence detector with pre-assembled cable and plugs



- Presence detector (PIR), with pre-assembled cable and plugs
- Cable length 0.9 m
- Round detection area 360°, Ø 12 m, (113m²) at 3 m mounting height

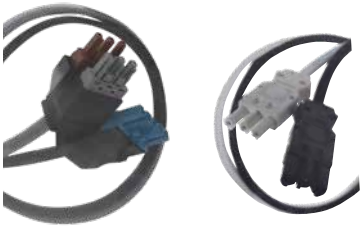


Description	Detection area	Technology	Plug	Type	Art.-No.	CE	DA
Power supply and transmission to the light fixture	113 m² (ø 12 m | 360°)	230 V	Wieland GST	LUXA 103 S360-100-12 GST	1030055	166	126
			WAGO WINSTA	LUXA 103 S360-100-12 WIN	1030056	166	126

LUXA 103 corridor detector with pre-assembled cable and plugs



- Presence detector (PIR), with pre-assembled cable and plugs
- Cable length 0.9 m
- Rectangular detection area 360°, 140 m² (28 x 5 m)



Description	Detection area	Technology	Plug	Type	Art.-No.	CE	DA
Power supply and transmission to the light fixture	140 m² (28 x 5 m | 360°)	230 V	Wieland GST	LUXA 103 S360-100-28 GST	1030075	166	126
			WAGO WINSTA	LUXA 103 S360-100-28 WIN	1030076	166	126

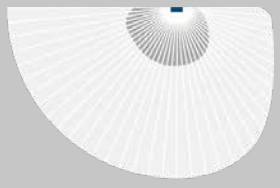
TECTA D outdoor detector
Design meets functionality
The smart choice for any facade



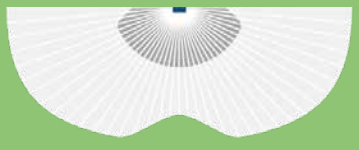


The TECTA D series sets new standards in terms of adaptability. With digital area restriction via app, you can adjust the detection range of your motion detector to suit your needs. Interference from traffic, neighbors, or trees is reliably filtered out. Bluetooth networking allows you to connect multiple motion detectors.

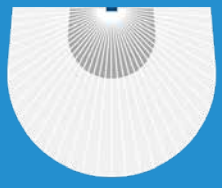












	Mounting type	Angle of coverage	Detection area trans-verse	LED lamp	Follow up time light	Remote control	Type	Page
Motion detector 10 m, 180°, PIRA TO AP								
	Wall mounting	180°	10 m	200 W	5 s - 15 min	–	PIRA TO AP	66
Motion detector 12 m, 180°, theLuxa R180								
	Wall mounting	180°	12 m	500 W	2 s - 30 min	–	theLuxa R	66
Motion detector 12 m, 150/180°, theLuxa S150/S180								
	Wall mounting	150°	12 m	500 W	1 s - 20 min	–	theLuxa S150	66
	Wall mounting	180°	12 m	500 W	1 s - 20 min	–	theLuxa 180	66
Motion detector 32 m, 360°, theLuxa S360								
	Wall and ceiling mounting	360°	Ø 32 m	500 W	1 s - 20 min	–	theLuxa S360	67
Motion detector 32 m, 220/300°, theLuxa P220/P300								
	Wall and ceiling mounting	220°	Ø 32 m	600 W	1 s - 20 min	✓	theLuxa P220	67
	Wall and ceiling mounting	300°	Ø 32 m	600 W	1 s - 20 min	✓	theLuxa P300	67
Motion detector 14 m, 180°, TECTA D180/D180i								
	Wall mounting	180°	14 m	400 W	10 s - 30 min	–	TECTA D180	67
	Wall mounting	180°	14 m	600 W	5 s - 30 min	✓	TECTA D180i	68
Motion detector 24 m, 280°, TECTA D280i								
	Wall mounting	280°	Ø 24 m	600 W	5 s - 30 min	✓	TECTA D280i	68

Motion detector
Outdoors

Conventional motion detector PIRA TO AP 10 m



- Motion detector (PIR) for wall mounting outdoors
- Semi-circular detection area 180°, Ø 10 m at 2.5 m mounting height
- Switching output 1 channel light relay 230 V
- Brightness switching value and follow-up time adjustable on the outdoor detector
- Mixed light measurement
- One-handed socket mounting
- Immediate commissioning possible through presetting

Mounting type	Protection class	Angle of coverage	Detection area transverse	LED lamp	Color	Type	Art.-No.	SD	CE	DA
Wall mounting	IP 55	180°	10 m	200 W	White	PIRA TO AP	1030206	140	163	128

Conventional motion detector theLuxa R180 12 m



- Motion detector (PIR) for wall mounting outdoors
- Semicircular detection range 180°, Ø 12 m at 2.5 m mounting height
- Switching output 1 channel light relay 230 V
- Secure protection against tampering thanks to robust housing design
- Concealed controls under the secured front cover
- Brightness switching value and follow-up time adjustable on the outdoor detector
- Mixed light measurement suitable for controlling fluorescent, incandescent, and halogen lamps, as well as LEDs
- Zero-crossing switching for relay-friendly switching and high lamp loads
- Test function for checking the detection range
- Can be mounted on a flush-mounted box (60 mm)
- One-handed socket mounting
- Immediate commissioning possible through presetting
- Blind terminal for protective conductor
- Area limitation of outdoor motion detector via cover clip
- Cable entry from below, side, or top via optional spacer frame (see accessories)

Mounting type	Protection class	Angle of coverage	Detection area transverse	LED lamp	Color	Type	Art.-No.	SD	CE	DA
Wall mounting	IP 55	180°	12 m	500 W	White	theLuxa R180 WH	1010200	140	166	128
Wall mounting	IP 55	180°	12 m	500 W	Black	theLuxa R180 BK	1010201	140	166	128

Conventional motion detector theLuxa S150/180 12 m



- Motion detector (PIR) for wall mounting outdoors
- Switching output 1 channel light relay 230 V
- Additional anti-creep protection
- Sensor head Outdoor detector can be rotated horizontally by ± 90° and tilted downwards by 30
- Brightness switching value and follow-up time adjustable
- Mixed light measurement suitable for controlling fluorescent, incandescent, and halogen lamps, as well as LEDs
- Zero-crossing switching for relay-friendly switching and high lamp loads
- Teach-in of the current brightness value on the outdoor motion detector
- Pulse function
- Test function for checking the detection range
- Can be mounted on a flush-mounted box (60 mm)
- One-handed socket mounting
- Immediate commissioning possible through presetting
- Protected adjustment elements
- Blind terminal for protective conductor
- Cable entry from below, side, or top via optional spacer frame (see accessories)

Mounting type	Protection class	Angle of coverage	Detection area transverse	LED lamp	Color	Type	Art.-No.	SD	CE	DA
Wall mounting	IP 55	150°	12 m	500 W	White (similar to RAL 9010)	theLuxa S150 WH	1010500	140	167	128
Wall mounting	IP 55	150°	12 m	500 W	Black (similar to RAL 9005)	theLuxa S150 BK	1010501	140	167	128
Wall mounting	IP 55	180°	12 m	500 W	White (similar to RAL 9010)	theLuxa S180 WH	1010505	140	167	129
Wall mounting	IP 55	180°	12 m	500 W	Black (similar to RAL 9005)	theLuxa S180 BK	1010506	140	167	129

Conventional motion detector theLuxa S360 Ø 32 m



- Motion detector (PIR) for wall/ceiling mounting in outdoor areas
- Round detection range 360°, Ø 32 m at 2.5 m mounting height
- Switching output 1 channel light relay 230 V
- Sensor head Outdoor detector can be rotated horizontally by ± 90°, tilted downwards by 45° and upwards by 90
- Brightness switching value and follow-up time adjustable
- Sensitivity can be reduced to limit the detection range
- Area limitation via cover clip
- Mixed light measurement suitable for controlling fluorescent, incandescent, and halogen lamps, as well as LEDs
- Zero-crossing switching for relay-friendly switching and high lamp loads
- Teach-in of the current brightness value on the outdoor motion detector
- Pulse function
- Test function for checking the detection range
- Can be mounted on a flush-mounted box (60 mm)
- One-handed socket mounting
- Immediate commissioning possible through presetting
- Protected adjustment elements
- Blind terminal for protective conductor
- Corner mounting bracket included
- Cable entry from below, side, or top via optional spacer frame (see accessories)

Mounting type	Protection class	Angle of coverage	Detection area transverse	LED lamp	Color	Type	Art.-No.	SD	CE	DA
Wall and ceiling mounting	IP 66	360°	Ø 32 m	500 W	White (similar to RAL 9010)	theLuxa S360 WH	1010510	140	167	129
Wall and ceiling mounting	IP 66	360°	Ø 32 m	500 W	Black (similar to RAL 9005)	theLuxa S360 BK	1010511	140	167	129

Conventional motion detector theLuxa P220/P300 Ø 32 m



- Motion detector (PIR) for wall/ceiling mounting in outdoor areas
- Switching output 1 channel light relay 230 V
- Automatic lighting control depending on presence and brightness
- For larger commercial outdoor areas such as administrative buildings, hotels, schools, underground garages, and warehouses
- Sensor head Outdoor detector can be rotated horizontally by ± 90°, tilted downwards by 45° and upwards by 90
- Brightness switching value and follow-up time adjustable
- Sensitivity can be reduced to limit the detection range
- Mixed light measurement suitable for controlling fluorescent, incandescent, and halogen lamps, as well as LEDs
- Teach-in of the current brightness value
- Pulse function
- Test function for checking the detection range
- Can be mounted on a flush-mounted box (60 mm)
- One-handed socket mounting
- Immediate commissioning possible through presetting
- Protected adjustment elements
- Blind terminal for protective conductor
- Cable entry from below, side, or top via spacer frame (included in delivery)

Mounting type	Protection class	Angle of coverage	Detection area transverse	LED lamp	Color	Type	Art.-No.	SD	CE	DA
Wall and ceiling mounting	IP 55	220°	Ø 32 m	600 W	White (similar to RAL 9010)	theLuxa P220 WH	1010605	135	167	129
Wall and ceiling mounting	IP 55	220°	Ø 32 m	600 W	Black (similar to RAL 9005)	theLuxa P220 BK	1010606	135	167	129
Wall and ceiling mounting	IP 55	300°	Ø 32 m	600 W	White (similar to RAL 9010)	theLuxa P300 WH	1010610	135	167	129
Wall and ceiling mounting	IP 55	300°	Ø 32 m	600 W	Black (similar to RAL 9005)	theLuxa P300 BK	1010611	135	167	129

Conventional motion detector TECTA D180 14 m



NEW

- Motion detector (PIR) for wall mounting outdoors
- Detection area 180°, 14 m at 2.5 m mounting height
- Switching output 1 channel light relay 230 V
- Mechanical potentiometers for time and twilight
- Permanent light measurement
- Rear detection (exit-on)
- Mixed light measurement suitable for controlling fluorescent, incandescent, and halogen lamps, as well as LEDs
- Anti-intrusion protection
- Pulse function
- Test function for checking the detection range
- Can be mounted on a flush-mounted box (60 mm)
- One-handed socket mounting
- Immediate commissioning possible through presetting
- Area limitation of outdoor motion detector via cover clip
- Cable entry from below, side, or top via optional spacer frame (see accessories)

Mounting type	Protection class	Angle of coverage	Detection area transverse	LED lamp	Color	Type	Art.-No.	SD	CE	DA
Wall mounting	IP 55	180°	14 m	400 W	White	TECTA D180 WH	1010100	141	167	129
Wall mounting	IP 55	180°	14 m	400 W	Anthracite	TECTA D180 AN	1010101	141	167	129

Presence and motion detector / LED spotlight
Outdoors

Conventional motion detector TECTA D180i/D280i 14 m/Ø 24 m



NEW

- Motion detector (PIR) for wall mounting outdoors
- Detection area digitally adjustable via app using Bluetooth, no mechanical adjustment necessary
- Mode selection: automatic / continuous light / D-MODE
- Can be paired in groups via Bluetooth (networking of several detectors for a common lighting group or networking with individual control for separate lighting groups)
- Switching output 1 channel light relay 230 V
- Permanent light measurement
- Rear detection (exit-on)
- Mixed light measurement suitable for controlling fluorescent, incandescent, and halogen lamps, as well as LEDs
- Anti-intrusion protection
- Pulse function
- Test function for checking the detection range
- Can be mounted on a flush-mounted box (60 mm)
- One-handed socket mounting
- Immediate commissioning possible through presetting
- Area limitation of outdoor motion detector via cover clip
- Cable entry from below, side, or top via optional spacer frame (see accessories)

Mounting type	Protection class	Angle of coverage	Detection area transverse	LED lamp	Color	Type	Art.-No.	SD	CE	DA
Wall mounting	IP 55	180°	14 m	600 W	White	TECTA D180i WH	1010105	141	167	129
Wall mounting	IP 55	180°	14 m	600 W	Anthracite	TECTA D180i AN	1010106	141	167	129
Wall mounting	IP 55	280°	Ø 24 m	600 W	White	TECTA D280i AN	1010110	141	167	130
Wall mounting	IP 55	280°	Ø 24 m	600 W	Anthracite	TECTA D280i AN	1010111	141	167	130



LED spotlight theLeda B
Optional with motion sensor
Robust. Flexible. Easy to install.



LED spotlight 3000 K (light color warm white)

AND



LED spotlight 4000 K (light color neutral white)





LED spot-light

+



Motion sensor incl. twilight switch

=



LED spotlight with motion detector



The right solution for every application With outputs from 10 to 100 watts, theLeda B covers everything – from small courtyards to carports and garages, all the way to loading ramps and large halls. Simply choose the appropriate wattage and get started.
Flexible in use, powerful in appearance Whether in black or white, theLeda B blends harmoniously into any environment. The switchable color temperature (3000 K / 4000 K) offers flexibility in planning and installation. Dark-sky compliant and insect-friendly – ideal for outdoor use.
Installation as it should be Directly on the wall, without junction box. Tiltable up to 90° and also suitable for inner corners. This is how installation is done today: fast, clean, and time-saving.







	Mounting type	Angle of coverage	Detection area transverse	Color temperature	Service life	Remote control	Type	Page
LED spotlight theLeda B, modularly expandable								
	Wall mounting	(180°)	(12 m)*	3000/4000 K, switchable	L80/B10/40,000 h	–	theLeda B10 dual	72
	Wall mounting	(180°)	(12 m)*	3000/4000 K, switchable	L80/B10/40,000 h	–	theLeda B20 dual	72
	Wall mounting	(180°)	(12 m)*	3000/4000 K, switchable	L80/B10/40,000 h	–	theLeda B30 dual	72
	Wall mounting	(180°)	(12 m)*	3000/4000 K, switchable	L80/B10/40,000 h	–	theLeda B50 dual	72
	Wall mounting	(180°)	(12 m)*	3000/4000 K, switchable	L80/B10/40,000 h	–	theLeda B100 dual	72
Motion detector module theLeda B sensor								
	Wall mounting	180°	12 m	–	–	–		72
	Wall mounting	180°	12 m	–	–	–		72
LED spotlight theLeda S								
	Wall mounting	–	–	4000 K, neutral white	L80/B10/45,000 h | L70/B50/50,000 h	–	theLeda S8-100L	72
	Wall mounting	–	–	4000 K, neutral white	L80/B10/45,000 h | L70/B50/50,000 h	–	theLeda S17-100L	72
LED spotlight with motion detector theLeda S								
	Wall mounting	180°	10 m	4000 K, neutral white	L80/B10/45,000 h | L70/B50/50,000 h	–	theLeda S8-100	73
	Wall mounting	180°	10 m	4000 K, neutral white	L80/B10/45,000 h | L70/B50/50,000 h	–	theLeda S17-100	73
LED luminaire theLeda D								
	Wall mounting	–	–	3000 K, warm white	L80/B10/50,000 h	–	theLeda D SL AL	73
	Wall mounting	–	–	3000 K, warm white	L80/B10/50,000 h	–	theLeda D SUL AL	73
	Wall mounting	–	–	3000 K, warm white	L80/B10/50,000 h	–	theLeda D UL AL	73
	Wall mounting	–	–	3000 K, warm white	L80/B10/50,000 h	–	theLeda D UDL AL	73
LED luminaire with motion detector theLeda D								
	Wall mounting	180°	10 m	3000 K, warm white	L80/B10/50,000 h	√	theLeda D S AL	73
	Wall mounting	180°	10 m	3000 K, warm white	L80/B10/50,000 h	√	theLeda D SU AL	73
	Wall mounting	180°	10 m	3000 K, warm white	L80/B10/50,000 h	√	theLeda D U AL	73
	Wall mounting	180°	10 m	3000 K, warm white	L80/B10/50,000 h	√	theLeda D UD AL	73
LED bollard light theLeda D								
	Floor mounting	–	–	3000 K, warm white	L80/B10/50,000 h	–	theLeda D BL AL	74
	Floor mounting	–	–	3000 K, warm white	L80/B10/50,000 h	–	theLeda D BL plus AL	74
LED bollard light with motion detector theLeda D								
	Floor mounting	180°	10 m	3000 K, warm white	L80/B10/50,000 h	√	theLeda D B AL	74
	Floor mounting	180°	10 m	3000 K, warm white	L80/B10/50,000 h	√	theLeda D B plus AL	74
	Floor mounting	180°	10 m	3000 K, warm white	L80/B10/50,000 h	√	theLeda D B plus S AL	74

* When using the optional motion detector module

Motion detector / LED spotlight
Outdoors

LED spotlight theLeda B, modularly expandable



- LED spotlight
- Light color 3000 or 4000 K, switchable
- Wall and ceiling mounting
- Suitable for outdoor use
- Flexibly expandable with optional module with motion detector
- Not dimmable

NEW

Mounting type	Protection class	Color temperature	Luminous flux	Color	Type	Art.-No.	SD	CE
Wall mounting	IP 65	3000/4000 K, switchable	1450 lm	White (similar to RAL 9016)	theLeda B10 dual WH	1020670	141	167
Wall mounting	IP 65	3000/4000 K, switchable	1450 lm	Black (similar to RAL 9005)	theLeda B10 dual BK	1020671	141	167
Wall mounting	IP 65	3000/4000 K, switchable	2850 lm	White (similar to RAL 9016)	theLeda B20 dual WH	1020672	141	167
Wall mounting	IP 65	3000/4000 K, switchable	2850 lm	Black (similar to RAL 9005)	theLeda B20 dual BK	1020673	141	167
Wall mounting	IP 65	3000/4000 K, switchable	4100 lm	White (similar to RAL 9016)	theLeda B30 dual WH	1020674	141	167
Wall mounting	IP 65	3000/4000 K, switchable	4100 lm	Black (similar to RAL 9005)	theLeda B30 dual BK	1020675	141	167
Wall mounting	IP 65	3000/4000 K, switchable	6900 lm	White (similar to RAL 9016)	theLeda B50 dual WH	1020676	141	167
Wall mounting	IP 65	3000/4000 K, switchable	6900 lm	Black (similar to RAL 9005)	theLeda B50 dual BK	1020677	141	167
Wall mounting	IP 65	3000/4000 K, switchable	13900 lm	White (similar to RAL 9016)	theLeda B100 dual WH	1020678	141	167
Wall mounting	IP 65	3000/4000 K, switchable	13900 lm	Black (similar to RAL 9005)	theLeda B100 dual BK	1020679	141	167

Motion detector module theLeda B sensor



NEW

- Motion detector module for mounting on theLeda B spotlights
- Detection angle 180° at 12 m range
- Mounting height 2.5 m
- Additional switch output light, 400 W LED
- Function setting via potentiometer for lux, time, and sensitivity settings
- Twilight mode
- Protection class IP 65

Mounting type	Protection class	Angle of coverage	Detection area transverse	Color	Type	Art.-No.	SD	CE	DA
Wall mounting	IP 65	180°	12 m	White (similar to RAL 9010)	theLeda B sensor WH	9080041	141	167	130
Wall mounting	IP 65	180°	12 m	Black (similar to RAL 9005)	theLeda B sensor BK	9080042	141	167	130

LED spotlight theLeda S



- LED spotlight
- Light color 4000 K
- Wall mounting
- Suitable for outdoor use
- Can be networked via wire
- theLeda S8: Wall lighting possible with 180° rotation

Mounting type	Protection class	Color temperature	Luminous flux	Color	Type	Art.-No.	SD	CE
Wall mounting	IP 55	4000 K, neutral white	900 lm	White (similar to RAL 9010)	theLeda S8-100L WH	1020600	141	168
Wall mounting	IP 55	4000 K, neutral white	900 lm	Black (similar to RAL 9005)	theLeda S8-100L BK	1020601	141	168
Wall mounting	IP 55	4000 K, neutral white	2 x 900 lm	White (similar to RAL 9010)	theLeda S17-100L WH	1020602	141	168
Wall mounting	IP 55	4000 K, neutral white	2 x 900 lm	Black (similar to RAL 9005)	theLeda S17-100L BK	1020603	141	168

LED spotlight with motion detector theLeda S





- LED spotlight with integrated motion detector
- Light color 4000 K
- Wall mounting
- Additional output for switching other lights/consumers
- Suitable for outdoor use
- Automatic lighting control depending on presence and brightness
- Detection angle 180° at 10 m range
- Area limitation via sticker
- Manual control possible via push button
- Test function
- Twilight switch function
- Can be networked via wire
- theLeda S8: Wall lighting possible with 180° rotation

Mounting type	Protection class	Angle of coverage	Detection area transverse	Color temperature	Luminous flux	Color	Type	Art.-No.	SD	CE	DA
Wall mounting	IP 55	180°	10 m	4000 K, neutral white	900 lm	White (similar to RAL 9010)	theLeda S8-100 WH	1020800	141	168	130
Wall mounting	IP 55	180°	10 m	4000 K, neutral white	900 lm	Black (similar to RAL 9005)	theLeda S8-100 BK	1020801	141	168	130
Wall mounting	IP 55	180°	10 m	4000 K, neutral white	2 x 900 lm	White (similar to RAL 9010)	theLeda S17-100 WH	1020802	141	168	130
Wall mounting	IP 55	180°	10 m	4000 K, neutral white	2 x 900 lm	Black (similar to RAL 9005)	theLeda S17-100 BK	1020803	141	168	130

LED luminaire theLeda D



- LED light
- Light color 3000 K
- Wall mounting
- Can be networked via radio
- Mounting type: Surface mounting, also on EU flush-mounted box, corner mounting possible
- One-handed socket mounting

Mounting type	Protection class	Color temperature	Luminous flux	Light output	Color	Type	Art.-No.	SD	CE
Wall mounting	IP 55	3000 K, warm white	760 lm	Front	Aluminum	theLeda D SL AL	1020701	142	168
Wall mounting	IP 55	3000 K, warm white	760 lm | 475 lm	Front and upward	Aluminum	theLeda D SUL AL	1020702	142	168
Wall mounting	IP 55	3000 K, warm white	760 lm	Upward	Aluminum	theLeda D UL AL	1020703	142	168
Wall mounting	IP 55	3000 K, warm white	2 x 475 lm	Downward and upward	Aluminum	theLeda D UDL AL	1020704	142	168

LED luminaire with motion detector theLeda D



- LED light with integrated motion detector
- Light color 3000 K
- Wall mounting
- Motion detector: Detection angle 180°, detection range 10 m at 2 m
- Mounting height
- Mixed light measurement
- Teach-in function, test function
- Adjustable detection sensitivity
- Orientation light with adjustable dimming level
- Night shutdown, twilight mode, program and recall scenes
- Presence simulation
- Can be networked via radio
- Ready for immediate use thanks to factory presetting
- Mounting type: Surface mounting, also on EU flush-mounted box, corner mounting possible
- One-handed socket mounting
- Adjustment via remote control/app or app (BLE) or/and potentiometer
- Basic settings can be made using the potentiometer; full range of functions only available with theSenda B and theSenda Plug app

Mounting type	Protection class	Angle of coverage	Detection area transverse	Color temperature	Luminous flux	Light output	Color	Type	Art.-No.	SD	CE	DA
Wall mounting	IP 55	180°	10 m	3000 K, warm white	760 lm	Front	Aluminum	theLeda D S AL	1020901	142	168	130
Wall mounting	IP 55	180°	10 m	3000 K, warm white	760 lm | 475 lm	Front and upward	Aluminum	theLeda D SU AL	1020902	142	168	130
Wall mounting	IP 55	180°	10 m	3000 K, warm white	760 lm	Upward	Aluminum	theLeda D U AL	1020903	142	168	130
Wall mounting	IP 55	180°	10 m	3000 K, warm white	2 x 475 lm	Downward and upward	Aluminum	theLeda D UD AL	1020904	142	168	130

Motion detector / LED spotlight
Outdoors

LED bollard light theLeda D



- LED bollard light with 8.5 W
- Light color 3000 K
- Frontal light emission (spot)
- High-quality housing made of anodized aluminium extruded profile
- Suitable for outdoor use
- Wireless connectivity (when combined with at least one theLeda D with motion detector), settings can only be adjusted using theSenda B with theSenda Plug
- Extremely efficient thanks to high light output
- Long-life LEDs: L80/B10 | 50,000 hours service life
- Product design by ID AID

Mounting type	Protection class	Color temperature	Luminous flux	Height	Color	Type	Art.-No.	SD	CE
Floor mounting	IP 55	3000 K, warm white	760 lm	400 mm	Aluminum (similar to RAL 9006)	theLeda D BL AL	1020705	142	168
Floor mounting	IP 55	3000 K, warm white	760 lm	720 mm	Aluminum (similar to RAL 9006)	theLeda D BL plus AL	1020706	142	168

LED bollard light with motion detector theLeda D



- LED bollard light with 8.5 W and integrated motion detector
- Light color 3000 K
- High-quality housing made of anodized aluminium extruded profile
- Suitable for outdoor use
- Automatic lighting control depending on presence and brightness
- Detection angle 180° at 12 m diameter, optimized for paths
- Functions: teach-in, walking test, twilight switch, dimmable orientation light, and self-calculating night interruption adjustable via theSenda B remote control and theSenda Plug app

Mounting type	Protection class	Angle of coverage	Detection area trans-verse	With socket	Color temperature	Luminous flux	Height	Color	Type	Art.-No.	SD	CE	DA
Floor mounting	IP 55	180°	10 m	-	3000 K, warm white	760 lm	400 mm	Aluminum (similar to RAL 9006)	theLeda D B AL	1020905	142	168	130
Floor mounting	IP 55	180°	10 m	-	3000 K, warm white	760 lm	720 mm	Aluminum (similar to RAL 9006)	theLeda D B plus AL	1020906	142	168	130
Floor mounting	IP 54	180°	10 m	√	3000 K, warm white	760 lm	720 mm	Aluminum (similar to RAL 9006)	theLeda D B plus S AL	1020907	142	168	130



Digital yearly time switches top3
We turn off the lights once a year
turn off the lights

The top3 yearly time switches are ideal for astro/time-controlled switching of street, shop window, or advertising lighting. **The WWF's yearly Earth Hour is already pre-programmed until 2044.** This makes it easy to turn off the lights around the world for one hour once a year.



- → **BLE on board:** Transfer from PC/tablet/mobile phone directly to the yearly time switch
- → **Smart operation:** Programming via smartphone
- → **Time and astro functions:** 3 astro times civil, nautical, astronomical twilight
- → **Earth hour:** select once and programmed until 2044
- → **Countless application possibilities**

	Program	Number of channels	Memory locations	Programming via app	External antenna can be connected	Connection type	Type	Page
Digital time switches TR top2, DIN-rail, weekly program								
	Weekly program	1	56	√	–	DuoFix plug-in terminals	TR 608 top2 S	78
	Weekly program	1	84	√	–	DuoFix plug-in terminals	TR 609 top2 S	78
	Weekly program	1	56	√	–	DuoFix plug-in terminals	TR 610 top2	78
Digital time switches TR top3, DIN-rail, weekly program								
	Weekly program	1	84	√	–	DuoFix plug-in terminals	TR 611 top3	78
	Weekly program	1	84	√	√	DuoFix plug-in terminals	TR 611 top3 RC	78
	Weekly program	2	84	√	–	DuoFix plug-in terminals	TR 622 top3	78
	Weekly program	1	56	√	–	DuoFix plug-in terminals	TR 610 top3	78
	Weekly program	2	56	√	–	DuoFix plug-in terminals	TR 612 top3	78
	Weekly program	1	56	√	–	DuoFix plug-in terminals	TR 610 top3 12-24V	78
SELEKTA top2 digital time switches, DIN-rail, weekly/astro program								
	Weekly program, astro program	1	56	√	–	DuoFix plug-in terminals	SELEKTA 175 top2	79
Digital time switches SELEKTA top3, DIN-rail, weekly/astro program								
	Weekly program, astro program	1	56	√	–	DuoFix plug-in terminals	SELEKTA 170 top3	79
	Weekly program, astro program	1	56	√	–	DuoFix plug-in terminals	SELEKTA 170 top3 12-24V	79
	Weekly program, astro program	2	56	√	–	DuoFix plug-in terminals	SELEKTA 174 top3	79
	Weekly program, astro program	1	84	√	√	DuoFix plug-in terminals	SELEKTA 171 top3 RC	79
	Weekly program, astro program	2	84	√	–	DuoFix plug-in terminals	SELEKTA 172 top3	79
	Weekly program, astro program	2	84	√	√	DuoFix plug-in terminals	SELEKTA 172 top3 RC	79
Digital time switches TR top3, DIN-rail, yearly/astro program								
	Yearly program, astro program	1	800	√	√	DuoFix plug-in terminals	TR 641 top3 BLE RC	80
	Yearly program, astro program	2	800	√	√	DuoFix plug-in terminals	TR 642 top3 BLE RC	80
	Yearly program, astro program	2	800	√	√	DuoFix plug-in terminals	TR 642 top3 BLE 12-24V RC	80
	Yearly program, astro program	4	800	√	√	DuoFix plug-in terminals	TR 644 top3 BLE RC	80
Digital time switches, front panel/wall, weekly program								
	Weekly program	1	84	–	–	Screw terminals	TR 635 top2	80
	Weekly program	2	84	–	–	Screw terminals	TR 636 top2	80
Digital time switches, flush-mounted wall, weekly/astro program								
	Weekly program, Astro program	1	84	√	–	Screw terminals	SELEKTA 070 top3 UP	80
	Weekly program	1	84	√	–	Screw terminals	TR 030 top3 UP	80
Digital time switch modules, flush-mounted wall, weekly program								
	Weekly program	1	56	–	–	Flat plug	TR 684-1 top2	81
Digital socket time switches, weekly/astro program								
	Weekly program, Astro program	1	56	–	–	Socket outlet adapter plug	theben-eltimo Astro top3	81
	Weekly program	1	56	–	–	Socket outlet adapter plug	theben-eltimo top3	81

Time and light control
Digital time switches

Digital time switches TR top2, DIN-rail, weekly program



- Digital time switch with weekly program
- 1 channel
- DuoFix spring-loaded terminals
- Text-oriented user guidance on the display
- Interface for OBELISK top2 memory card (PC programming)
- 10-year power reserve (lithium battery)
- Circuit preselection
- Continuous ON/OFF switch
- Integrated operating hours counter
- Holiday program
- PIN coding
- Automatic summer/winter time changeover

Program	Program functions	Number of channels	External input	Operating voltage	Width	LED lamp	Type	Art.-No.	SD	CE
Weekly program	ON-OFF	1	-	230-240 V AC	1 module	60 W	TR 608 top2 S	6080101	131	168
Weekly program	ON-OFF, pulse, cycle	1	√	230-240 V AC	1 module	600 W	TR 609 top2 S	6090101	131	168
Weekly program	ON-OFF	1	-	230-240 V AC	2 modules	20 W	TR 610 top2 G	6100110	142	168

Digital time switches TR top3, DIN-rail, weekly program



- Digital time switch with weekly program
- App programming possible
- Secure transmission via optional Bluetooth Low Energy OBELISK top3
- Maximum tamper resistance; time switch programs can only be transferred from the app to the clock when the Bluetooth OBELISK top3 is inserted in the clock
- 100% compatible with top2
- DuoFix spring-loaded terminals
- Text-oriented user guidance on the display
- 56 memory locations
- Interface for OBELISK top2 memory card (PC programming)
- 10-year power reserve (lithium battery)
- Zero-crossing switching for relay-friendly switching and high lamp loads (not for 24 V devices)
- ON-OFF switching times
- Circuit preselection
- Continuous ON/OFF switch
- Integrated operating hours counter
- Holiday program
- Display lighting (can be switched off)
- PIN coding
- Automatic summer/winter time changeover

Program	Program functions	Number of channels	Programming via app	Operating voltage	Width	LED lamp	Type	Art.-No.	SD	CE
Weekly program	ON-OFF	1	√	230 V AC	2 modules	600 W	TR 610 top3	6100130	131	168
Weekly program	ON-OFF	2	√	230 V AC	2 modules	600 W	TR 612 top3	6120130	131	169
Weekly program	ON-OFF	1	√	12 - 24 V UC	2 modules	20 W	TR 610 top3 12-24V	6104130	131	169

Digital time switches, DIN-rail, weekly program, 2 modules, small yearly program



- Digital time switch with weekly and small yearly program, can be combined with date ranges
- App programming possible
- Secure transmission via optional Bluetooth Low Energy OBELISK top3
- Maximum tamper resistance; time switch programs can only be transferred from the app to the clock when the Bluetooth OBELISK top3 is inserted in the clock
- 100% compatible with top2
- DuoFix spring-loaded terminals
- Text-oriented user guidance on the display
- 84 memory locations
- Interface for OBELISK top2 memory card (PC programming)
- 10-year power reserve (lithium battery)
- Zero-crossing switching for relay-friendly switching and high lamp loads (not for 24 V devices)
- ON-OFF switching times
- Pulse program, cycle program
- Circuit preselection, continuous ON/OFF circuit
- Sequence time switch
- Integrated operating hours counter
- Holiday program
- 2 random programs
- Display lighting (can be switched off)
- PIN coding
- Automatic summer/winter time changeover

Program	Program functions	Number of channels	Programming via app	Operating voltage	External inputs	Width	LED lamp	Type	Art.-No.	SD	CE
Weekly program	ON-OFF, pulse, cycle	1	√	230 V AC	1	2 modules	600 W	TR 611 top3	6110130	131	169
Weekly program	ON-OFF, pulse, cycle	1	√	110-230 V AC	1	2 modules	600 W	TR 611 top3 RC	6110330	131	169
Weekly program	ON-OFF, pulse, cycle	2	√	230 V AC	2	2 modules	600 W	TR 622 top3	6220130	131	169

SELEKTA top2 digital time switches, DIN-rail, weekly/astro program



- Astro time switch with weekly program
- 1 channel
- External input
- 56 memory locations
- Astronomical switching function (automatic calculation of sunrise and sunset times for the entire year)
- Offset for adjusting the sunrise and sunset times
- DuoFix spring-loaded terminals
- Text-oriented user guidance on the display
- Interface for OBELISK top2 memory card (PC programming)
- 10-year power reserve (lithium battery)
- Programmable ON/OFF switching times, e.g., night interruption
- Circuit preselection
- Continuous ON/OFF switch
- Integrated operating hours counter
- Reset option
- Service function for monitoring maintenance intervals
- Holiday program
- PIN coding
- Automatic summer/winter time changeover

Program	Program functions	Number of channels	Programming via app	Operating voltage	Width	LED lamp	Type	Art.-No.	SD	CE
Weekly program, Astro program	ON-OFF	1	-	230-240 V AC	1 module	600 W	SELEKTA 175 top2	1750100	142	168

Digital time switches SELEKTA top3, DIN-rail, weekly/astro program



- Astro time switch with weekly program
- Astronomical switching function (automatic calculation of sunrise and sunset times for the entire year)
- Offset for adjusting the sunrise and sunset times
- Position data programmable via coordinates or country-city list
- Fixed ON-OFF switching programmable (e.g. night interruption)
- Simulation of switching times (calculated astro times and programmed ON-OFF switching)
- Astro mode can be reversed (evening ON - morning OFF or evening OFF - morning ON) or deactivated
- DuoFix spring-loaded terminals
- For 2 conductors each
- Wire or stranded wire (with or without ferrule)
- Wire diameter: 0.5 - 2.5 mm²
- Actuating button for releasing the plug connection
- Text-oriented user guidance on the display
- Date and time preset
- Fully operable without mains connection
- Interface for OBELISK top2 memory card (PC programming)
- 2. Plug-in switching program
- Copying programs
- Program backup
- 10-year power reserve (lithium battery)

Program	Program functions	Number of channels	Programming via app	Operating voltage	Width	LED lamp	Type	Art.-No.	SD	CE
Weekly program, Astro program	ON-OFF	1	√	230 V AC	2 modules	600 W	SELEKTA 170 top3	1700130	131	169
Weekly program, Astro program	ON-OFF	1	√	12 - 24 V UC	2 modules	20 W	SELEKTA 170 top3 12-24V	1704130	131	169
Weekly program, Astro program	ON-OFF	2	√	230 V AC	2 modules	600 W	SELEKTA 174 top3	1740130	131	169
Weekly program, Astro program	ON-OFF, pulse	1	√	110-230 V AC	2 modules	600 W	SELEKTA 171 top3 RC	1710330	131	169
Weekly program, Astro program	ON-OFF, pulse	2	√	230 V AC	2 modules	600 W	SELEKTA 172 top3	1720130	131	169
Weekly program, Astro program	ON-OFF, pulse	2	√	110-230 V AC	2 modules	600 W	SELEKTA 172 top3 RC	1720330	131	170

Time and light control
Digital time switches

Digital time switches TR top3, DIN-rail, yearly/astro program




- Digital time switch with yearly and astro program
- App programming possible thanks to integrated BLE module
- Extensive yearly clock functions
- Astronomical switching function (automatic calculation of sunrise and sunset times for the entire year)
- Astro selectable per channel "3 astro ranges: sunset, twilight, darkness
- Earth Hour preprogrammed until 2044
- Time synchronization by connecting an external DCF or GNSS antenna; with GNSS, additional position determination for astro program
- Button can be connected (external circuit preselection, sequence time switch)
- Switch can be connected (continuous ON or OFF)
- DuoFix spring-loaded terminals
- For 2 conductors each
- Wire or stranded wire (with or without ferrule)
- Wire diameter: 0.5 - 2.5 mm²
- Actuating button for releasing the plug connection
- Text-oriented user guidance on the display
- Date and time preset
- Fully operable without mains connection
- 800 memory locations
- Interface for OBELISK top2 memory card (PC programming)
- 2. Plug-in switching program
- Copying programs
- Program backup
- 10-year power reserve (lithium battery)

Program	Program functions	Number of channels	Programming via app	Operating voltage	Width	LED lamp	Type	Art.-No.	SD	CE
Yearly program, astro program	ON-OFF, pulse, cycle	1	√	110-230 V AC	3 modules	600 W	TR 641 top3 BLE RC	6410330	136	170
Yearly program, astro program	ON-OFF, pulse, cycle	2	√	110-230 V AC	3 modules	600 W	TR 642 top3 BLE RC	6420330	136	170
Yearly program, astro program	ON-OFF, pulse, cycle	2	√	12 - 24 V UC	3 modules	20 W	TR 642 top3 BLE 12-24V RC	6424330	136	170
Yearly program, astro program	ON-OFF, pulse, cycle	4	√	110-230 V AC	4 modules	600 W	TR 644 top3 BLE RC	6440330	142	170

Digital time switches, front panel/wall, weekly program



- Digital time switch with weekly program
- Text-oriented user guidance on the display
- Date and time preset
- Fully operable without mains connection
- 84 memory locations
- Interface for OBELISK top2 memory card (PC programming)
- 2. Plug-in switching program
- Copying programs
- Program backup
- 10-year power reserve (lithium battery)
- ON-OFF switching times
- Pulse program
- Cycle program
- Circuit preselection
- Continuous ON/OFF switch
- Sequence time switch
- Integrated operating hours counter
- Reset option
- Service function for monitoring maintenance intervals
- Holiday program
- 2 random programs
- Display lighting (can be switched off)
- PIN coding
- Automatic summer/winter time changeover
- Can be deactivated
- Switching rules for Europe, the USA, and other countries are already stored
- Own switching rule or switching according to a fixed date can be selected

Program	Program functions	Number of channels	Programming via app	Operating voltage	LED lamp	Type	Art.-No.	SD	CE
Weekly program	ON-OFF, pulse, cycle	1	–	230-240 V AC	50 W	TR 635 top2	6350100	143	170
Weekly program	ON-OFF, pulse, cycle	2	–	230-240 V AC	50 W	TR 636 top2	6360100	143	170

Digital time switches, flush-mounted wall, weekly/astro program



- Digital time switch for flush-mounted wall installation
- 1 channel
- App programming possible via optional Bluetooth Low Energy OBELISK top3
- Maximum tamper resistance; time switch programs can only be transferred from the app to the clock when the Bluetooth OBELISK top3 is inserted in the clock
- 3 special programs (small yearly program)
- 84 memory locations
- DuoFix spring-loaded terminals
- Text-oriented user guidance on the display
- 6-year power reserve
- Interface for OBELISK top2 memory card (PC programming)
- Circuit preselection
- Continuous ON/OFF switch
- Integrated operating hours counter
- Holiday program
- PIN coding
- Automatic summer/winter time changeover
- Compensation frame for many common switch programs available as an accessory

Program	Program functions	Number of channels	Programming via app	Operating voltage	LED lamp	Type	Art.-No.	SD	CE
Weekly program, Astro program	Impulse	1	√	230 V AC	600 W	SELEKTA 070 top3 UP	0700130	143	170
Weekly program	ON-OFF, pulse, cycle	1	√	230 V AC	600 W	TR 030 top3 UP	0300130	143	170

Digital time switch modules, flush-mounted wall, weekly program



- Digital time switch with weekly program
- 1 channel
- Timer module only suitable for installation
- Connection with insulated flat plug 4.8 mm for OEM series devices
- For installation in control and regulation devices
- Text-oriented user guidance on the display
- 56 memory locations
- Interface for OBELISK top2 memory card (PC programming)
- 10-year power reserve (lithium battery)
- ON-OFF switching times
- Circuit preselection
- Continuous ON/OFF switch
- Integrated operating hours counter
- Holiday program
- Display lighting (can be switched off)
- PIN coding
- Automatic summer/winter time changeover

Program	Program functions	Number of channels	Programming via app	Operating voltage	Type	Art.-No.	SD	CE
Weekly program	ON-OFF	1	–	230-240 V AC	TR 684-1 top2	6840100	143	171

Digital socket time switches, weekly/astro program



- Digital socket time switch
- App programming possible via optional Bluetooth Low Energy OBELISK top3
- Maximum tamper resistance; time switch programs can only be transferred from the app to the clock when the Bluetooth OBELISK top3 is inserted in the clock
- For use with Schuko sockets
- 1 channel
- Easy operation with buttons for program functions, day of the week, hour, and minute
- ON-OFF switching times
- Circuit preselection
- Continuous ON/OFF switch

Program	Program functions	Number of channels	Programming via app	Operating voltage	LED lamp	Type	Art.-No.	SD	CE
Weekly program, Astro program	ON-OFF	1	✓	230 V AC	300 W	theben-eltimo 020 Astro top3	0200170	143	-
Weekly program	ON-OFF	1	✓	230 V AC	300 W	theben-eltimo 020 top3	0200130	143	-

Smarter switching
50 years theben-timer since 1976!

Back when no one had even thought of automating and controlling their homes in a smart way, the theben time switch already offered the option of controlling switching operations based on time. That was in 1976.

Whether floor lamps, televisions, coffee machines, radios, alarm clocks, or aquariums. With the small socket time switch, a wide variety of consumers could be switched on and off safely and reliably. The simple operating concept has hardly changed in 50 years. And why should it? It works. And really well at that!
The analog time switch for the outlet was developed back in 1976. Since then, with over 33 million units sold worldwide since its launch 50 years ago, it has become a bestseller in the Theben product range.









	Program	Number of channels	Contact type	Power reserve	Shortest switching time	Connection type	Type	Page
Analogue time switches, DIN-rail, daily/weekly program, 1 module								
	Daily program	1	NO contact	–	15 min	Screw terminals	SYN 160 a	84
	Daily program	1	NO contact	5 days	15 min	Screw terminals	SUL 180 a	84
	Weekly program	1	NO contact	3 days	2 h	Screw terminals	MEM 190 a	84
Analogue time switches, DIN-rail, 60-minute/daily/weekly program, 3 modules								
	60-minute program	1	Changeover contact	–	37.5 s	DuoFix plug-in terminals	SYN 151 h	84
	Daily program	1	Changeover contact	–	15 min	DuoFix plug-in terminals	SYN 161 d	84
	Daily program	1	Changeover contact	200 hours	15 min	DuoFix plug-in terminals	SUL 181 d	84
	Daily program	1	Changeover contact	3 days	15 min	DuoFix plug-in terminals	SUL 181 d	84
	Weekly program	1	Changeover contact	3 days	2 h	DuoFix plug-in terminals	SUL 191 w	84
Analogue time switches, DIN-rail, day/week program, 3 modules								
	Daily program	2	Changeover contact	3 days	30 min	Screw terminals	SUL 188 g	84
	Daily program	1	Changeover contact	3 days	45 min, 12 min	Screw terminals	SUL 188 hw	84
Analogue time switch modules								
	Daily program	1	Changeover contact	–	15 min	Screw terminals	SYN 164 FM WM	85
	Daily program	1	Changeover contact	3 days	15 min	Screw terminals	SUL 184 FM WM	85
	Daily program	1	Changeover contact	–	15 min	Screw terminals	SYN 164 FME	85
	Daily program	1	Changeover contact	3 days	15 min	Screw terminals	SUL 184 FME	85
Analogue time switches, front panel/wall, daily program								
	Daily program	1	Changeover contact	–	15 min	Screw terminals	SYN 169 s	85
	Daily program	1	Changeover contact	3 days	15 min	Screw terminals	SUL 189 s	85
	Daily program	1	Changeover contact	3 days	15 min	Screw terminals	SUL 189 s	85
Analogue time switches, front panel/wall, daily/weekly program								
	Daily program, weekly program	1	Changeover contact	–	20 min, 2 min	Screw terminals	SYN 269 h	85
	Daily program, weekly program	1	Changeover contact	3 days	20 min, 2 min	Screw terminals	SUL 289 h	85
	Daily program, weekly program	2	Changeover contact	3 days	20 min, 2 min	Screw terminals	SUL 289 g	85
	60-minute program	1	Changeover contact	–	1.25 min	Screw terminals	TM 179 h	85
	Daily program	1	Changeover contact	3 days	30 min, 12 min	Screw terminals	SUL 189 hw	85
Analogue time switches, wall/3-point, daily program								
	Daily program	2	Changeover contact	6 days	20 min	Screw terminals	SUL 285/2 T	86
Analogue plug-in time switches, daily/weekly program								
	Daily program	1	NO contact	–	15 min	Plug-in	theben-timer 26	86
	Daily program	1	NO contact	–	15 min	Plug-in	theben-timer 26 IP 44	86
	Weekly program	1	NO contact	–	2 h	Plug-in	theben-timer 27	86
	Daily program	1	NO contact	–	15 min	Plug-in	theben-timer 26	86
Analogue refrigerator time switches, daily/short-term program								
	Daily and defrost program	1	Changeover contact	–	2 min, 1 min	Screw terminals	FRI 77 h-2	86
	Daily and defrost program	2	Changeover contact	–	2 min, 1 min	Screw terminals	FRI 77 g-2	86
	Daily and defrost program	2	Changeover contact	–	2 min, 1 min	Screw terminals	FRI 77 g	86

Time and light control
Analogue time switches

Analogue time switches, DIN-rail, daily/weekly program, 1 module



- Analogue time switch
- 1 channel
- Screw terminals
- Manual switch with 3 settings: Continuous ON/AUTO/ Continuous OFF

Program	Number of channels	Power reserve	Shortest switching time	Operating voltage	Contact type	Width	Type	Art.-No.	SD	CE
Daily program	1	–	15 min	230 V AC	NO contact	1 module	SYN 160 a	1600001	143	171
Daily program	1	5 days	15 min	230-240 V AC	NO contact	1 module	SUL 180 a	1800001	143	171
Weekly program	1	3 days	2 h	230-240 V AC	NO contact	1 module	MEM 190 a	1900001	143	171

Analogue time switches, DIN-rail, 60-minute/daily/weekly program, 3 modules



- Analogue time switch
- 1 channel
- DuoFix spring-loaded terminals
- For 2 conductors each
- Wire or stranded wire (with or without ferrule)
- Wire diameter: 0.5 - 2.5 mm²
- Actuating button for releasing the plug connection
- Circuit preselection
- Manual switch with 3 settings: Continuous ON/AUTO/ Continuous OFF
- Switch status indicator

Program	Number of channels	Power reserve	Shortest switching time	Operating voltage	Contact type	Width	Type	Art.-No.	SD	CE
60-minute program	1	–	37.5 s	230 V AC	Changeover contact	3 modules	SYN 151 h	1510011	143	171
Daily program	1	–	15 min	230 V AC	Changeover contact	3 modules	SYN 161 d	1610011	143	171
Daily program	1	200 hours	15 min	110-230 V AC	Changeover contact	3 modules	SUL 181 d	1810011	143	171
Daily program	1	3 days	15 min	12 - 24 V UC	Changeover contact	3 modules	SUL 181 d 12-24V	1814011	143	171
Weekly program	1	3 days	2 h	110-230 V AC	Changeover contact	3 modules	SUL 191 w	1910011	143	171

Analogue time switches, DIN-rail, day/week program, 3 modules



- Analogue time switch
- With power reserve (NiMH cell)
- Quartz-controlled
- Plug-in rider
- Screw terminals
- Switch status indicator
- Operation indicator

Program	Number of channels	Power reserve	Shortest switching time	Operating voltage	Contact type	Width	Type	Art.-No.	SD	CE
Daily program	2	3 days	30 min	230 V AC	Changeover contact	3 modules	SUL 188 g	1880033	143	171
Daily/weekly program with 1/2 day OFF function	1	3 days	45 min, 12 h	230 V AC	Changeover contact	3 modules	SUL 188 hw	1880108	143	171

Analogue time switch modules



- Analogue time switch
- 1 channel
- Daily program
- Shortest switching time: 15 minutes
- Clock hands for time display
- Circuit preselection
- Switch status indicator

Program	Number of channels	Power reserve	Shortest switching time	Operating voltage	Contact type	Type	Art.-No.	SD	CE
Daily program	1	–	15 min	230 V AC	Changeover contact	SYN 164 FM WM	1640200	143	171
Daily program	1	3 days	15 min	110-230 V AC	Changeover contact	SUL 184 FM WM	1840200	143	171
Daily program	1	–	15 min	230 V AC	Changeover contact	SYN 164 FME	1640300	144	171
Daily program	1	3 days	15 min	110-230 V AC	Changeover contact	SUL 184 FME	1840300	144	171

Analogue time switches, front panel/wall, daily program



- Analogue time switch
- 1 channel
- Daily program
- 96 switching segments
- Shortest switching time: 15 minutes
- Clock hands for time display
- Circuit preselection
- Permanent ON/OFF switch
- Switch status indicator
- Simple summer/winter time correction
- Time correction possible clockwise and counterclockwise

Program	Number of channels	Power reserve	Shortest switching time	Operating voltage	Contact type	Type	Art.-No.	SD	CE
Daily program	1	–	15 min	230 V AC	Changeover contact	SYN 169 s	1690801	144	171
Daily program	1	3 days	15 min	230 V AC	Changeover contact	SUL 189 s	1890801	144	171
Daily program	1	3 days	15 min	110 V AC	Changeover contact	SUL 189 s 110V	1891801	144	171

Analogue time switches, front panel/wall, daily/weekly program



- Analogue time switch with daily or weekly program (rotatable switching disc)
- Plug-in rider
- Shortest switching time: 20 minutes or 2 hours
- Clock hands for time display
- Switch status indicator

Program	Number of channels	Power reserve	Shortest switching time	Operating voltage	Contact type	Type	Art.-No.	SD	CE
Daily program, weekly program	1	–	20 min, 2 h	230 V AC	Changeover contact	SYN 269 h	2690008	144	171
Daily program, weekly program	1	3 days	20 min, 2 h	230 V AC	Changeover contact	SUL 289 h	2890008	144	171
Daily program, Weekly program	2	3 days	20 min, 2 h	230 V AC	Changeover contact	SUL 289 g	2890033	144	171

Analogue time switches, front panel/wall, daily/weekly program



- Analogue time switch
- Switch status indicator
- 6 tappets included

Program	Number of channels	Power reserve	Shortest switching time	Operating voltage	Contact type	Type	Art.-No.	SD	CE
60-minute program	1	–	1.25 min	230 V AC	Changeover contact	TM 179 h	1790008	144	171
Daily/weekly program m with 1/2 day OFF function	1	3 days	30 min, 12 h	230 V AC	Changeover contact	SUL 189 hw	1890108	144	172

Time and light control
Analogue time switches

Analogue time switches, wall/3-point, daily program



- Analogue tariff time switch with daily program
- 2 channels
- With power reserve (replaceable NiMH cell)
- Quartz-controlled
- Plug-in rider
- Shortest switching time: 20 minutes
- Clock hands for time display
- Switch status indicator
- Simple summer/winter time correction
- Time correction possible clockwise and counterclockwise
- Control LED for battery replacement
- 32 tappets included

Program	Number of channels	Power reserve	Shortest switching time	Operating voltage	Contact type	Type	Art.-No.	SD	CE
Daily program	2	6 days	20 min	110-230 V AC	Changeover contact	SUL 285/2 T	2850033	144	172

Analogue plug-in time switches, daily/weekly program





- Analogue pug-in time switch
- 1 channel
- Without power reserve
- Mains synchronized
- For use with Schuko sockets (other plug types on request)
- Circuit preselection
- Switch status indicator

Program	Number of channels	Protection class	Shortest switching time	Operating voltage	LED lamp	With increased touch protection	Type	Art.-No.	SD	CE
Daily program	1	IP 20	15 min	230 V AC	400 W		theben-timer 26	0260030	144	172
Daily program	1	IP 44	15 min	230 V AC	400 W		theben-timer 26 IP 44	0260855	144	172
Weekly program	1	IP 20	2 h	230 V AC	400 W		theben-timer 27	0270930	144	172
Daily program	1	IP 20	15 min	230 V AC	400 W		theben-timer 26 safety-plus	0260833	144	172

Analogue refrigerator time switches, daily/short-term program



- Analogue cooling time switch with daily and short-term program for defrosting
- Plug-in rider
- Mains synchronized
- Shortest switching time: 2 minutes/1 hour
- 2 separate switching discs
- 24-hour switch disc for hour preselection
- 60-minute switch disc for setting the short contact duration

Program	Number of channels	Power reserve	Shortest switching time	Operating voltage	Contact type	Type	Art.-No.	SD	CE
Daily and defrost program	1	–	2 min, 1 h	230 V AC	Changeover contact	FRI 77 h-2	0770802	144	172
Daily and defrost program	2	–	2 min, 1 h	230 V AC	Changeover contact	FRI 77 g-2	0770832	144	172
Daily and defrost program	2	–	2 min, 1 h	230 V AC	Changeover contact	FRI 77 g	0770033	144	172



The classics
Reliable and robust
Operating hours counter

Our proven and quick-to-install counters allow operating and service times to be reliably recorded, enabling production processes, maintenance cycles, and warranty periods to be precisely planned and monitored.

	Function type	Type	Page
Electronic time relay			
	Electronic time relay	TM 345 MF	90

	Mounting type	Front panel size	Type	Page
Analogue operating hours counters				
	Front panel installation	48 x 48 mm	BZ 142-1	91
	Front panel installation	48 x 48 mm	BZ 142-1	91
	Front panel installation	48 x 48 mm	BZ 142-1	91
	Front panel installation	48 x 48 mm	BZ 142-1	91
	Front panel installation	48 x 48 mm	BZ 142-3	91
	Front panel installation	52 x 52 mm	BZ 143-1	91
	DIN rail	35 x 45 mm	BZ 145	91
	DIN rail	35 x 45 mm	BZ 145	91
Digital operating hours counters				
	Front panel installation	24 x 48 mm	BZ 146	91
	Front panel installation	48 x 48 mm	BZ 147	91
	DIN rail	35 x 45 mm	BZ 148	91

Electronic time relay



- Electronic time relay
- Detent rotary switches for selecting the time range and the following 10 operating modes: Response delay (AV), clock generator (TG), clock generator (TP), release delay (RV), response and release delay (RV), response and release delay (VZ), additive response delay (AVC), pulse function (IP), switch-on pulse (EW), without control contact, switch-on pulse function (EW), switch-off pulse function (AW), current surge function (SV)
- Universally applicable for controlling automatic processes on machines, lighting, ventilation, heating, barriers, etc.
- Precise analog time setting
- Multi-voltage input for all supply and control voltages, no wire bridges or additional terminals required
- LED to indicate the switching status
- Width voltage range 12–240 V AC/DC
- High time range 0.1 sec to 100 h
- High switching capacities 16 A
- Switching output potential-free, input/output double insulated (SELV)
- Minimum load 10 mA
- Mechanical switching cycles 10 x 1,000,000
- Contact material AgSnO2
- Degree of contamination 2
- Rated impulse voltage 4 kV
- Ambient humidity 95% RH
- Insulation pulse voltage 2 kV
- Overvoltage category 3

Type	Art.-No.	SD	CE
TM 345 MF	3450733	144	172

Analogue operating hours counters





- Operating hours counter with synchronous motor drive
- BZ 142-1
- Front panel mounting devices with snap-in or clamp fastening for wall thicknesses up to max. 10 mm
- Terminal or flat plug connection 6.3 mm
- Front panel size 48 x 48 mm
- Versions for DC voltage with quartz-controlled stepper motor
- Running indicator
- BZ 142-3
- With plug-in base for wall mounting (terminal cover required)
- Plug-in base with quick fastening for 35 mm DIN rail
- Screw terminals
- Touch protection in accordance with accident prevention regulation BGV A3
- Housing color anthracite
- Front panel size 48 x 48 mm
- Versions for DC voltage with quartz-controlled stepper motor
- Running indicator
- BZ 143-1
- Front panel mounting devices with snap-in or clamp fastening for wall thicknesses up to max. 10 mm
- Terminal or flat plug connection 6.3 mm
- Front plate size 52 x 52 mm
- Versions for DC voltage with quartz-controlled stepper motor
- Running indicator
- BZ 145
- Distribution device with quick fastening for 35 mm DIN rail
- Surface mounting with additional terminal cover, sealable
- Panel mounting with mounting kit no. 9070001
- Touch protection in accordance with accident prevention regulation BGV A3
- Captive terminal screws

Mounting type	Counting range	Front panel size	Size of installation cutout	Operating voltage	Type	Art.-No.	SD	CE
Front panel installation	99999.99 h	48 x 48 mm	46 x 46 mm	230 V AC	BZ 142-1	1420721	144	172
Front panel installation	99999.99 h	48 x 48 mm	46 x 46 mm	10 V DC - 80 V DC	BZ 142-1 10V	1420821	144	172
Front panel installation	99999.99 h	48 x 48 mm	46 x 46 mm	230 V AC - 240 V AC	BZ 142-1 230V	1420621	144	172
Front panel installation	99999.99 h	48 x 48 mm	46 x 46 mm	24 V AC	BZ 142-1 24V	1424721	144	172
Front panel installation	99999.99 h	48 x 48 mm	46 x 46 mm	230 V AC	BZ 142-3	1420723	145	172
Front panel installation	99999.99 h	52 x 52 mm	–	230 V AC	BZ 143-1	1430721	145	172
DIN rail	99999.9 h	35 x 45 mm	–	230 V AC	BZ 145	1450000	145	172
DIN rail	99999.9 h	35 x 45 mm	–	24 V DC - 48 V DC	BZ 145 24V	1459024	145	172

Digital operating hours counters

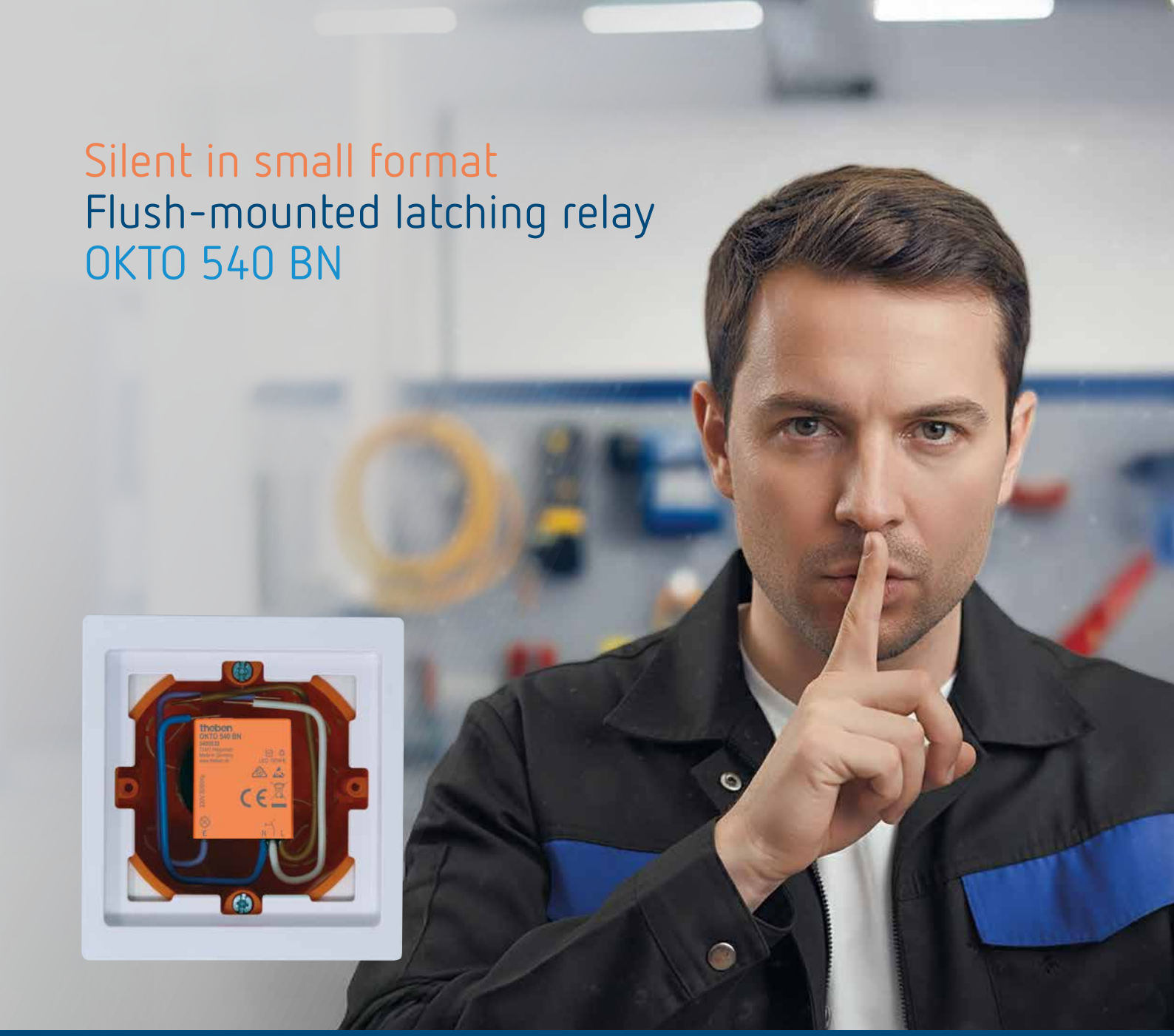




- Digital operating hours counter
- With EEPROM memory ensures reliable operating time recording, even during power failures
- 7-digit high-contrast LCD display
- Running indicator in the display
- BZ 146
- Mounting cutout 22 mm x 45 mm
- Panel mounting
- Terminal screws
- Clamp fastening for wall thicknesses up to 5 mm
- Quartz-controlled version
- BZ 147
- Cutout size 45 mm x 45 mm
- Panel mounting
- Terminal screws
- Clamp fastening for wall thicknesses up to 5 mm
- Quartz-controlled version
- BZ 148
- Distribution device with quick fastening for 35 mm DIN rail
- Surface mounting with additional terminal cover possible
- Captive terminal screws

Mounting type	Counting range	Front panel size	Size of installation cutout	Operating voltage	Type	Art.-No.	SD	CE
Front panel installation	99999.99 h	24 x 48 mm	22 x 45 mm	110 V AC - 240 V AC	BZ 146	1460000	145	173
Front panel installation	99999.99 h	48 x 48 mm	45 x 45 mm	110 V AC - 240 V AC	BZ 147	1470000	145	173
DIN rail	999,999.9 h	35 x 45 mm	–	24 V AC - 240 V AC / 12 – 150 V DC	BZ 148	1480000	145	173

Silent in small format
Flush-mounted latching relay
OKTO 540 BN







Always fits, even when space is tight

Thanks to its extremely compact design, the OKTO 540 BN can be easily installed in small and shallow flush-mounted boxes or even directly in furniture and luminaires.

Switching without clicking

Its completely silent switching ensures comfort in sensitive environments — whether bedrooms, hotel rooms, patient rooms, or theaters.

Permanently protected – inside and out

The fully encapsulated housing makes the surge switch maintenance-free and provides reliable protection against moisture, dirt, and animal damage.

Mount instead of screw: connect the cable, done

The pre-assembled connection cables save valuable time, prevent errors, and ensure fast, safe installation.

	Mounting type	Time adjustment range	Multi-function	Multi-voltage input	Switch-off warning	Long-term function	Zero-crossing circuit	No standby consumption	Type	Page
Electronic staircase time switches										
	DIN rail	0.5 - 20 min	–	√	√	60 min	√	–	ELPA 1	94
	DIN rail	0.5 - 20 min	–	–	√	60 min	√	–	ELPA 6 plus	94
	DIN rail	0.5 - 20 min	–	√	√	–	√	–	ELPA 3	94
	DIN rail	0.5 - 20 min	–	–	√	–	√	–	ELPA 7	94
Electromechanical staircase time switches										
	DIN rail	1 - 7 min	–	–	–	–	–	√	ELPA 8	94
	DIN rail	1 - 7 min	–	–	–	–	–	√	ELPA 9	94

	Mounting type	Function	Number of contacts as normally open contacts	Multi-voltage input	Type	Page
Mini latching relay, flush-mounted						
	Flush-mounted	Electronic	1	–	OKT0 540 BN	95
Electronic latching relays, DIN-rail						
	DIN rail	Electronic	1	–	OKT0 ES12-230	95
	DIN rail	Electronic	1	√	OKT0 ES12-UC	95
Mechanical latching relayes, DIN-rail						
	DIN rail	Mechanical	1	–	OKT0 S12-230	95
	DIN rail	Mechanical	2	–	OKT0 S22-230	95

Time and light control
Staircase time switches

Electronic staircase time switches





- Staircase time switch, electronic
- Switch-off warning to prevent sudden darkness (can be activated/deactivated)
- Zero-crossing switching to protect relay contacts and light bulbs, i.e., the service life of the light bulb is extended
- Terminal assignment as ELPA 8
- High accuracy
- Push button input with electronic overload protection
- Automatic 3- or 4-wire detection (4-wire with connection for floor lighting, 3-wire no longer permitted for new installations)
- Suitable for combination with motion detector theMura S180-100 2W UP WH in 4-wire circuit, ideal for replacing existing push buttons (no N-wire necessary)
- ELPA 1
- Multifunction device with 10 selectable functions, adjustable on the front of the device
- Additional multi-voltage input galvanically isolated for AC/DC 8...240 V, e.g. for intercom systems
- Long-term function can be activated via long push-button action
- Latching relay
- Can be switched on immediately (staircase light switch) or switched off prematurely (latching relay with release delay)
- Permanent light

- ELPA 6 plus
- Multifunction device with 10 selectable functions, adjustable on the front of the device
- Switch-off warning optimized for LED lights (two single flashes)
- Extended flashing pulse, reliably signals the switch-off warning for LED lamps
- Long-term function can be activated via long push-button action
- Can be switched on immediately (staircase light switch) or switched off prematurely (latching relay with release delay)
- Latching relay
- Permanent light
- ELPA 3
- Additional multi-voltage input galvanically isolated for AC/DC 8...240 V, e.g. for intercom systems
- Toggle switch for continuous light
- ELPA 7
- Toggle switch for continuous light
- Switch-off warning can be deactivated

Function type	Mounting type	Time adjustment range	LED lamp	Switch-off warning	3/4 conductor	Multi-voltage input	Type	Art.-No.	SD	CE
Electronic with multifunction	DIN rail	0.5 - 20 min	600 W	✓	Automatic	✓	ELPA 1	0010002	142	173
Electronic with multifunction	DIN rail	0.5 - 20 min	600 W	✓	Automatic	–	ELPA 6 plus	0060003	142	173
Electronic	DIN rail	0.5 - 20 min	600 W	✓	Automatic	✓	ELPA 3	0030002	142	173
Electronic	DIN rail	0.5 - 20 min	600 W	✓	Automatic	–	ELPA 7	0070002	142	173

Electromechanical staircase time switches





- Staircase time switch, electromechanical
- No quiescent current consumption
- Toggle switch for continuous light
- Maximum reliability thanks to synchronous motor drive
- Easy time setting and direct reading of the delay time on an absolute scale
- Precision mechanics and therefore exact switching duration
- Very high interference immunity

- ELPA 8
- 4-wire with connection for floor lighting
- 3-wire connection without floor lighting (no longer permitted for new installations)
- Can be connected downstream
- Suitable for combination with motion detector theMura S180-100 2W UP WH in 4-wire circuit, ideal for replacing existing push buttons (no N-wire necessary)
- ELPA 9
- 3-wire connection system and floor lighting, but without downstream connection (no longer permitted for new installations)
- Terminal assignment as ELPA 8

Function type	Mounting type	Time adjustment range	LED lamp	Switch-off warning	3/4 conductor	Multi-voltage input	Type	Art.-No.	SD	CE
Mechanical	DIN rail	1 - 7 min	300 W	–	Yes	–	ELPA 8	0080002	145	173
Mechanical	DIN rail	1 - 7 min	300 W	–	3-wire only	–	ELPA 9	0090001	145	173

Mini latching relay, flush-mounted



NEW

- Electronic latching relay
- Convenient light control of a common consumer with multiple push buttons possible
- Particularly quiet operation of the remote installation switch
- Gentle on lamps thanks to zero-crossing switching
- Ultra-compact design for flexible installation options
- Standby consumption of the current surge relay of only 0.2 W
- Pre-assembled cables for quick and secure installation
- Dimensions 32.7 x 26.6 x 9.6 mm

Function	Mounting type	Number of channels	Incandescent lamp load	Multi-voltage input	LED lamp	Type	Art.-No.	SD	CE
Electronic	Flush-mounted	1	–	–	150 W	OKTO 540 BN	5400030	145	174

Electronic latching relays, DIN-rail





- Electronic latching relaywith 1 channel/contact (normally open)
- Convenient light control of a common consumer with multiple push buttons possible
- Particularly quiet operation of the remote installation switch
- High glow lamp load up to 100 mA
- Automatic 3-/4-wire detection of the pulse switch
- Lamp-friendly thanks to zero-crossing switching for high LED switching power (600 W)
- Standby consumption of the current surge relay only 0.3 W

Function	Mounting type	Number of channels	Incandescent lamp load	Multi-voltage input	LED lamp	Type	Art.-No.	SD	CE
Electronic	DIN rail	1	100 mA	–	600 W	OKTO ES12-230	3120130	142	174
Electronic	DIN rail	1	100 mA	√ (8 to 230 V)	600 W	OKTO ES12-UC	3120131	142	174

Mechanical latching relayes, DIN-rail





- Electromechanical latching relay
- Convenient light control of a common consumer with multiple push buttons possible
- Simple and inexpensive electrical installation with 2 wires per button
- Operation possible via integrated manual switch on the latching relay
- Potential-free with safety extra-low voltage (SELV)
- LED switching load up to 200 W
- No quiescent current consumption of the impulse relay

Function	Mounting type	Number of channels	Incandescent lamp load	All-pole shutdown	LED lamp	Type	Art.-No.	SD	CE
Electromechanical	DIN rail	1	3 mA	–	200 W	OKTO S12-230	3120120	145	174
Electromechanical	DIN rail	2	3 mA	√	200 W	OKTO S22-230	3120122	146	174

The world's smallest dimmer
Now it's really smart
DIMAX 540 APP B





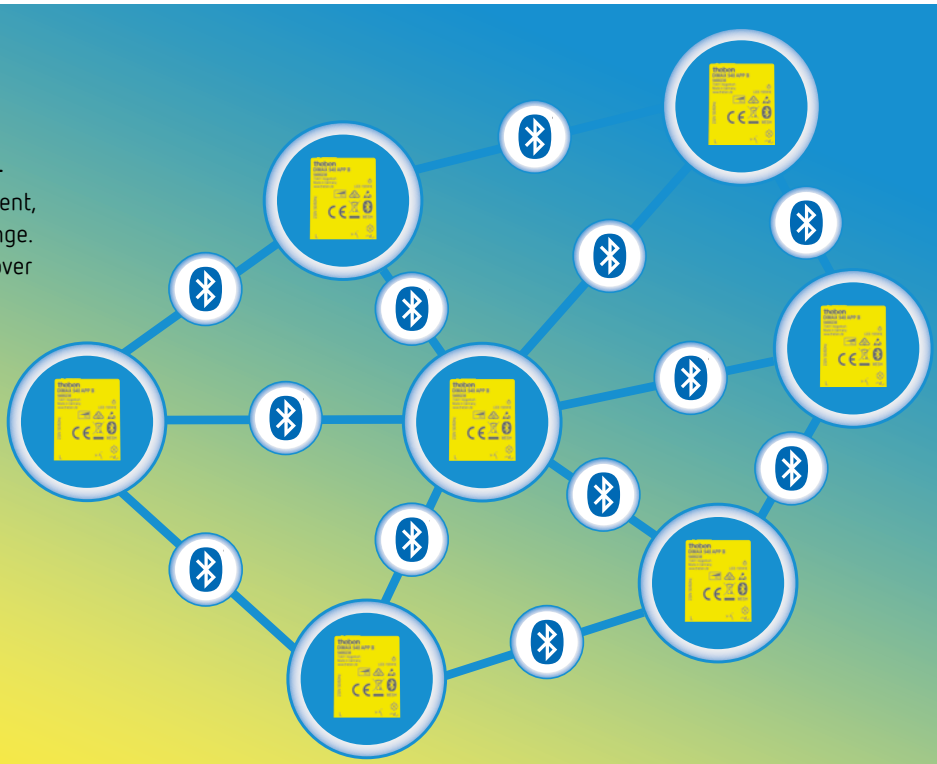


Groups and scenes

Astro function

The DIMAX 540 APP B mini dimmer is an excellent solution for reliable, space-saving, and smart lighting control. Thanks to the app and Bluetooth Mesh communication, it offers even more convenience in programming compared to the popular DIMAX 540 plus B. And it is only slightly larger than the small Dimmerle!

Any number of DIMAX 540 APP B units can be integrated into the **Bluetooth Mesh network.** Communication via Bluetooth is efficient, secure, reliable, and boasts an extended range. If one dimmer fails, another dimmer takes over control.



	Mounting type	Multi-voltage input	Multifunction	Programming via app	Max. Switching capacity LED	Type	Page
Mini dimmer flush-mounted							
	Flush-mounted	–	–	–	150 W	DIMAX 540 plus B	98
	Flush-mounted	–	–	√	150 W	DIMAX 540 APP B	98
Dimmer flush-mounted							
	Flush-mounted	–	–	–	250 W	DIMAX 541 plus E	98
	Flush-mounted	–	–	–	250 W	DIMAX 542 plus S	98
	Flush-mounted	–	√	√	250 W	DIMAX 545 plus P	98
Dimmer DIN-rail							
	DIN rail	√	–	–	400 W	DIMAX 532 plus	99
	DIN rail	√	√	–	400 W	DIMAX 534 plus	99

Time and light control
Dimming

Mini dimmer UP







- UP dimmer for R and C loads
- No neutral conductor required
- Cable length of up to 100 m possible, also suitable for two-way circuits with larger distances and multiple push buttons
- Easier selection of the optimal dimming value thanks to extended dimming speed of 5 seconds
- Optimized settings for LEDs, incandescent, and halogen lamps
- Minimum brightness function (10% in delivery state, adjustable)
- Small design, perfect for retrofitting
- Fully encapsulated electronics
- Temperature shutdown
- Overcurrent shutdown
- Short-circuit protection
- Memory function, stores the last light setting and dims to this value the next time it is switched on

DIMAX 540 APP B
- Controllable and programmable via Bluetooth using an app or push button
- Can be networked and expanded via Bluetooth Mesh
- Lighting scenes and astro program
- App for Android and iOS

Mounting type	LED lamp (trailing edge)	Multifunction	Programming via app	Load detection	Stand-by power	Type	Art.-No.	SD	CE
Flush-mounted	150 W	–	–	–	~0,34 W	DIMAX 540 plus B	5400130	146	174
Flush-mounted	150 W	–	√	–	< 0.5 W	DIMAX 540 APP B	5400230	145	174

Dimmer UP





- Universal dimmer for R, L, and C loads with automatic load detection
- Optimized settings for LEDs and incandescent lamps
- Adjustable minimum brightness for LEDs
- Overheating protection against overload
- Easy installation thanks to compact housing
- Ideal for all dimmable LEDs and halogen lamps
- Convenient snooze function
- Memory function stores the last light setting and dims to this value the next time the light is switched on
- Short-circuit protection
- Gentle switching on and off to protect the lamp
- DIMAX 541 plus E
- Operation via push button
- DIMAX 542 plus S
- Operation via push button, adjustment via potentiometer
- Function LED2 = fixed phase control
- Adjustable, necessary for special LEDs
- DIMAX 545 plus P
- Operation via push button or app via Bluetooth Low Energy
- Adjustable dimming behavior
- Adjustable staircase lighting function
- App for Android and iOS
- Time and astro functions (can be combined with dimming functions)
- Night interruption
- Special load setting
- Sequential scenes
- Password protection possible

Mounting type	LED lamp (trailing edge)	Multifunction	Programming via app	Load detection	Stand-by power	Type	Art.-No.	SD	CE
Flush-mounted	250 W	–	–	√	~0,15 W	DIMAX 541 plus E	5410130	146	174
Flush-mounted	250 W	–	–	√	~0,15 W	DIMAX 542 plus S	5420130	146	174
Flush-mounted	250 W	√	√	√	~0,15 W	DIMAX 545 plus P	5450130	146	174

Dimmer DIN-rail





- Universal dimmer for R, L, and C loads with automatic load detection
- Adjustable minimum brightness (required for ESL and LEDs)
- Multi-voltage input, e.g., for intercom systems
- Low standby consumption
- Memory function in case of power failure
- Automatic electronic overload and overtemperature shutdown
- Dimming switch-on function
- Permanent ON function (test function)
- No minimum load required
- Soft ON and Soft OFF protects the light source
- When using the 1-channel dimming booster DMB 1 T KNX, the dimming power can be increased by 300 W

- DIMAX 534 plus
- Comfort setting with wake-up and snooze function (can also be deactivated), e.g. for children's rooms
- Adjustable dimming speed (for automatic functions)
- Single and double button operation for easy use
- Up to 3 light scenes can be called up via a separate input
- Central OFF/ON for max. 10 dimming channels or light scene for max. 10 devices possible with one button
- Staircase lighting function with dimming function in accordance with DIN 18015 – 2 (can be connected downstream, long-term function)
- Controllable via push button or switch, e.g., for combination with presence detectors or time switches
- Multiple lighting scenes can be implemented with a separate diode module (9070367) as an accessory

Mounting type	LED lamp (trailing edge)	Multifunction	Programming via app	Load detection	Stand-by power	Type	Art.-No.	SD	CE
DIN rail	400 W	–	–	√	~0,2 W	DIMAX 532 plus	5320001	142	175
DIN rail	400 W	√	–	√	~0,2 W	DIMAX 534 plus	5340001	142	175



LUNA 126 star E now also available in elegant anthracite!

The anthracite-colored housing variant blends discreetly into dark facades and emphasizes the clear architectural language of modern residential and functional buildings. And all this without compromising on function or quality.

	Mounting type	Number of channels	Adjustment range brightness	Switch-on delay	Separate on/off	External inputs	PC interface	Program	Type	Page
Analogue twilight switch DIN-rail										
	DIN rail	1	2 - 2000 lx	20 s	–	–	–	–	LUNA 108 plus	102
	DIN rail	1	2 - 50000 lx	0-20 min	–	–	–	–	LUNA 110 plus	102
Digital twilight switch DIN-rail										
	DIN rail	1	1 - 99000 lx	0 - 59 min	✓	1	✓	–	LUNA 111 top3	102
	DIN rail	2	1 - 99000 lx	0 - 59 min	✓	–	✓	–	LUNA 112 top3	102
Digital twilight switches with time switch DIN-rail										
	DIN rail	1	1 - 99000 lx	0 - 59 min	✓	1	✓	Weekly program	LUNA 121 top3 RC	102
	DIN rail	2	1 - 99000 lx	0 - 59 min	✓	–	✓	Weekly program	LUNA 122 top3 RC	102
Analogue twilight switches for wall mounting/pole mounting										
	Wall mounting or pole mounting	1	2 - 200 lx	20 s	–	–	–	–	LUNA 126 star E	103
	Wall mounting or pole mounting	1	2 - 2000 lx	2 - 100 s	–	–	–	–	LUNA 127 star S	103

Time and light control
Twilight switch

Analogue twilight switch DIN-rail





- Analogue twilight switch
- External light sensor included
- Channel and switching status display
- Switching brightness continuously adjustable
- LUNA 108 plus
- Fixed switch-on and switch-off delay
- LUNA 110 plus
- Adjustable switch-on and switch-off delay
- DuoFix spring-loaded terminals

- Extended brightness range and adjustable delay time
- Five adjustable brightness ranges for easy setting of the lux value
- Zero-crossing switching to protect relay contacts and light sources for a longer service life
- Permanent OFF and permanent ON function adjustable on the potentiometer
- Test function

Number of channels	Width	LED lamp	Program	Protection class	Adjustment range brightness	Sensor (included)	Type	Art.-No.	SD	CE
1	1 module	350 W	–	II	2 - 2000 lx	Built-in light sensor	LUNA 108 plus EL	1080900	146	175
1	1 module	350 W	–	II	2 - 2000 lx	Surface-mounted light sensor	LUNA 108 plus AL	1080910	146	175
1	2 modules	600 W	–	II, Sensor III	2 - 50000 lx	Built-in light sensor	LUNA 110 plus EL	1100900	131	175
1	2 modules	600 W	–	II, Sensor III	2 - 50000 lx	Surface-mounted light sensor	LUNA 110 plus AL	1100910	131	175

Digital twilight switch DIN-rail





- Twilight switch/light control device
- External light sensor included
- App programming possible
- Secure transmission via optional
- Bluetooth Low Energy OBELISK top3
- Maximum tamper resistance,
- Programs can only be transferred from the app when the Bluetooth OBELISK top3 is plugged in
- Digitally adjustable switching brightness
- Adjustable switch-on and switch-off delay
- Switching brightness and delay for switching on and off can be set separately
- Display of channel and switching status, as well as current lux value
- DuoFix spring-loaded terminals

- Zero-crossing switching for relay-friendly switching and high lamp loads
- Up to 4 sensors can be connected
- Up to 10 devices can be connected to one digital sensor
- Interface for OBELISK top2
- Memory card (PC programming)
- Extended brightness range
- Continuous ON/OFF switch
- Test function
- Circuit preselection
- Display lighting
- PIN coding
- Operating hours counter

Number of channels	Width	LED lamp	Program	Protection class	Adjustment range brightness	Sensor (included)	Type	Art.-No.	SD	CE
1	2 modules	600 W	–	II, Sensor III	1 - 99000 lx	Surface-mounted light sensor	LUNA 111 top3 AL	1110130	131	175
1	2 modules	600 W	–	II, Sensor III	1 - 99000 lx	Built-in light sensor	LUNA 111 top3 EL	1110230	131	175
2	2 modules	600 W	–	II, Sensor III	1 - 99000 lx	Surface-mounted light sensor	LUNA 112 top3 AL	1120130	131	175
2	2 modules	600 W	–	II, Sensor III	1 - 99000 lx	Built-in light sensor	LUNA 112 top3 EL	1120230	131	175

Digital twilight switches with time switch DIN-rail





- Twilight switch with integrated weekly time switch
- External light sensor included
- App programming possible
- Secure transmission via optional Bluetooth Low Energy OBELISK top3
- Maximum tamper resistance; programs can only be transferred from the app when the Bluetooth OBELISK top3 is plugged in
- Digitally adjustable switching brightness
- Adjustable switch-on and switch-off delay
- Switching brightness and delay for switching on and off can be set separately
- Display of channel and switching status, as well as current lux value
- DuoFix spring-loaded terminals
- Zero-crossing switching for relay-friendly switching and high lamp loads
- Up to 4 sensors can be connected
- Up to 10 devices can be connected to one digital sensor
- Interface for OBELISK top2 memory card (PC programming)
- Extended brightness range
- Continuous ON/OFF switch
- Test function
- Circuit preselection
- Display lighting
- PIN coding
- Operating hours counter

Number of channels	Width	LED lamp	Program	Protection class	Adjustment range brightness	Sensor (included)	Type	Art.-No.	SD	CE
1	2 modules	600 W	Weekly program	II, Sensor III	1 - 99000 lx	Surface-mounted light sensor	LUNA 121 top3 RC AL	1210130	131	175
1	2 modules	600 W	Weekly program	II, Sensor III	1 - 99000 lx	Built-in light sensor	LUNA 121 top3 RC EL	1210230	131	175
2	2 modules	600 W	Weekly program	II, Sensor III	1 - 99000 lx	Surface-mounted light sensor	LUNA 122 top3 RC AL	1220130	131	175
2	2 modules	600 W	Weekly program	II, Sensor III	1 - 99000 lx	Built-in light sensor	LUNA 122 top3 RC EL	1220230	131	175

Analogue twilight switches for wall mounting/pole mounting





NEW

- Twilight switch with integrated light sensor
- Cable entry possible from the rear and from below
- Captive screws
- Large terminal compartment
- Brightness value adjustment possible from the outside without opening the device
- Large light incidence angle (approx. 180 degrees)
- Switching brightness continuously adjustable

- LUNA 126 star E
- Fixed switch-on and switch-off delay
- LUNAstar adapter plate included
- Switching brightness continuously adjustable
- LUNA 127 star S
- Adjustable switch-on and switch-off delay
- Test function
- Teach-in function
- Timer function (1 hour on)
- Switchable brightness range: 2-100/100-2000 lux

Number of channels	LED lamp	Protection class	Brightness adjustment range	Color	Type	Art.-No.	SD	CE
1	350 W	II	2 - 200 lx	White	LUNA 126 star E	1260900	146	176
1	350 W	II	2 - 200 lx	Anthracite	LUNA 126 star E AN	1260910	146	176
1	600 W	II	2 - 2000 lx	White	LUNA 127 star S	1270900	146	176

Digital clock thermostats
RAMSES top3 series
Convenient control via smartphone app



Design by ID AID.

The digital clock thermostats in the RAMSES top3 series monitor and control the room temperature based on the time of day.

Whether in a single-family home or apartment, office, practice, workshop, or retail store, the clock thermostats ensure the desired comfortable temperature and help you reduce your energy consumption and protect the environment.

Convenient operation

The RAMSES clock thermostats can be operated intuitively on the device: setpoint temperature, various programs, or even time-controlled temperatures and reduction phases can be set here. Alternatively, they can also be operated via the free app.

High tamper resistance

The RAMSES top3 works with a local Bluetooth connection in your home. You don't need a cloud or additional gateways or routers. A clear advantage in terms of tamper resistance.

Easy installation

Unlike other smart thermostats, the RAMSES top3 does not require any additional components such as gateways, switch actuators, etc. Install the RAMSES top3 in the same way as conventional clock thermostats: quickly, easily, and without complications.

	Program	Programming via app	Operating voltage	Contact type	Type	page
Digital clock thermostats, display/app operation						
	Weekly program, daily program, vacation program, 3 basic programs	√	2 AA batteries	NO contact	RAMSES 811 top3	106
	Weekly program, daily program, vacation program, 3 basic programs	√	230 V AC	NO contact	RAMSES 812 top3	106
	Weekly program, daily program, vacation program, 3 basic programs	√	230 V AC	NO contact	RAMSES 812 top3 16A	106
Digital clock thermostats, display/app operation, OpenTherm						
	Weekly program, daily program, vacation program, 3 basic programs	√	OT bus	–	RAMSES 850 top3 OT	106
Digital clock thermostats, app control, AP						
	Weekly program	√	230 V AC	NO contact	RAMSES 812 BLE	106
Digital clock thermostats, app control, flush-mounted						
	Weekly program	√	230 V AC	NO contact	RAMSES 814 BLE UP	107
Digital clock thermostats, DIN-rail						
	Weekly program, daily program, vacation program	–	230 V AC	Changeover contact	RAMSES 366/1 top2	107
Analog clock thermostats, tappets						
	Daily/weekly program	–	230 V AC	Changeover contact	RAMSES 722	107
	Daily/weekly program	–	230 V AC	Changeover contact	RAMSES 782	107

Climate control
Clock thermostats

Digital clock thermostats, display/app operation



- Digital clock thermostat for time-dependent monitoring and control of room temperature
- Operation on the device or via app
- Direct Bluetooth Low Energy (BLE) connection between app and clock thermostat
- Convenient settings via app with intuitive operation from your smartphone or tablet
- Increased ease of use
- 3 individually programmable weekly programs, as well as comfort, eco, and reduction functions
- Suitable for energy-saving room temperature control in single-family homes, apartments, etc.
- Illuminated display when buttons are pressed
- External input for flexible connection of either an external room temperature sensor, floor sensor, motion detector, or telephone contact
- Intelligent control algorithm (pulse duration controller, hysteresis controller)
- Suitable for on/off heating, zone or single room control, electric heating, etc.

Program	Operating voltage	Switching capacity	External inputs	Power reserve	Type	Art.-No.	SD	CE
Weekly program, daily program, vacation program, 3 basic programs	2 AA batteries	10 A at 250 V AC, cos φ = 1 at 250 V AC, cos φ = 0.6	1	max. 10 min	RAMSES 811 top3	8119200	146	176
Weekly program, daily program, vacation program, 3 basic programs	230 V AC	10 A at 250 V AC, cos φ = 1 2 A at 250 V AC, cos φ = 0.6	1	4 hours	RAMSES 812 top3	8120200	146	176
Weekly program, daily program, vacation program, 3 basic programs	230 V AC	16 A at 250 V AC, cos φ = 1 2 A at 250 V AC, cos φ = 0.6	1	4 hours	RAMSES 812 top3 16A	8120210	146	176

Digital clock thermostats, display/app operation, OpenTherm



- Digital clock thermostat for time-dependent monitoring and control of room temperature
- Operation on the device or via app
- Power supply via OpenTherm bus
- Direct Bluetooth Low Energy (BLE) connection between app and clock thermostat, no communication via the Internet
- Convenient settings via app with intuitive operation from smartphone or tablet
- Can be mounted on a flush-mounted box or wall
- Increased ease of use
- Communication with the heating system via OpenTherm bus
- 3 individually programmable weekly programs, as well as comfort, eco, and reduction functions
- Suitable for energy-saving room temperature control in single-family homes, apartments, etc.
- Illuminated display when buttons are pressed
- External input for flexible connection of either an external room temperature sensor, floor sensor, motion detector, or telephone contact
- PI room controller, weather-compensated controller with and without room influence
- Three heating and one domestic water weekly time programs preset and changeable
- Suitable, for example, for modulating gas condensing systems and modulating heating systems with OpenTherm interface

Program	Operating voltage	Type	Art.-No.	SD	CE
Weekly program, daily program, vacation program, 3 basic programs	OT bus	RAMSES 850 top3 OT	8509200	146	176

Digital clock thermostats, app control, AP



- Digital clock thermostat for time-dependent monitoring and control of room temperature
- Mains version
- Operation via app
- Suitable for energy-saving room temperature control in single-family homes, apartments, etc.
- Direct Bluetooth Low Energy (BLE) connection between app and RAMSES BLE, no communication via the internet
- Convenient settings via app with intuitive operation from smartphone or tablet
- Increased ease of use
- External input for flexible connection of either an outdoor temperature sensor, floor sensor, motion detector, or telephone contact
- Intelligent control algorithm (pulse duration controller, hysteresis controller)
- Suitable for on/off heating, zone or single room control, electric heating, etc.

Program	Operating voltage	Switching capacity	External inputs	Power reserve	Type	Art.-No.	SD	CE
Weekly program	230 V AC	8 A at 250 V AC, cos φ = 1 1 A at 250 V AC, cos φ = 0.6	–	4 hours	RAMSES 812 BLE	8120150	146	-

Digital clock thermostats, app control, flush-mounted



- Digital clock thermostat for time-dependent monitoring and control of room temperature
- Mains version
- Operation via app
- Suitable for energy-saving room temperature control in single-family homes, apartments, etc.
- Installation in flush-mounted box, can be used with any switch program or under blind cover
- Temperature sensor included
- Direct Bluetooth Low Energy (BLE) connection between app and RAMSES BLE, no communication via the internet
- Convenient settings via app with intuitive operation from smartphone or tablet
- Increased ease of use
- External input for flexible connection of either an external room temperature sensor, floor sensor, motion detector, or telephone contact
- Intelligent control algorithm (pulse duration controller, hysteresis controller)
- Suitable for on/off heating, zone or single room control, electric heating, etc.

Program	Operating voltage	Switching capacity	External inputs	Power reserve	Type	Art.-No.	SD	CE
Weekly program	230 V AC	8 A at 250 V AC, cos φ = 1 1 A at 250 V AC, cos φ = 0.6	-	4 years	RAMSES 814 BLE UP	8140150	146	-

Digital clock thermostats, DIN-rail



- Digital clock thermostat for time-dependent monitoring and control of room temperature
- Zone control, 1 zone
- 1 external temperature sensor required
- Daily/weekly program can be set to the minute
- Holiday program controlled by date
- Programming is graphically displayed by a bar display on the LCD screen
- Fully automatic summer/winter time correction
- Manual circuit preselection and operating mode selector switch for: automatic mode, comfort mode, reduced mode, frost protection mode
- PIN coding
- DuoFix spring-loaded terminals
- Text-oriented user guidance on the display
- Interface for OBELISK top2 memory card (copying programs)

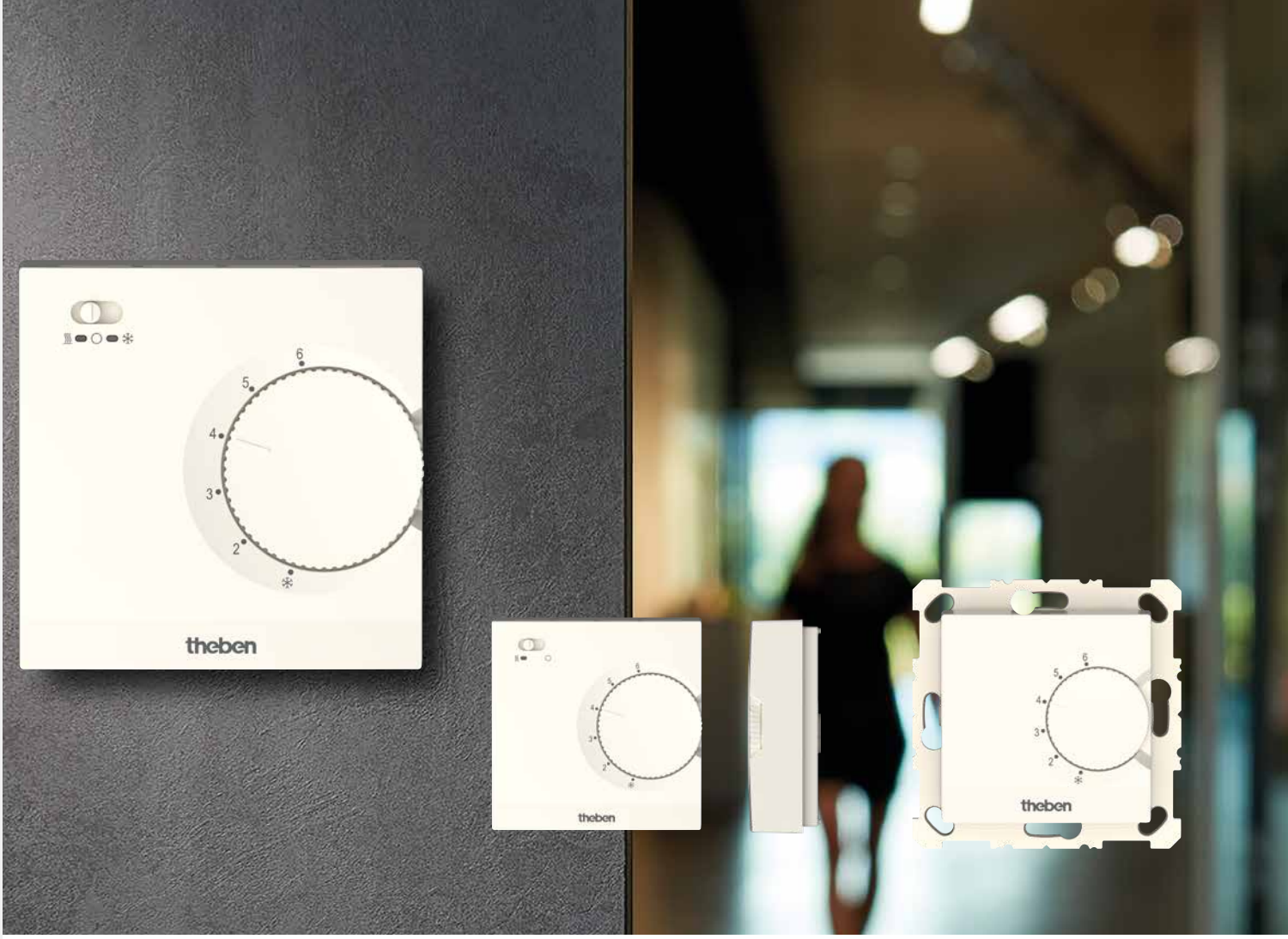
Program	Operating voltage	Switching capacity	External inputs	Power reserve	Type	Art.-No.	SD	CE
Weekly program, daily program, vacation program	230 V AC	10 A at 250 V AC, cos φ = 1 2 A at 250 V AC, cos φ = 0.6	1	10 years	RAMSES 366/1 top2	3660100	147	176

Analog clock thermostats, tappets



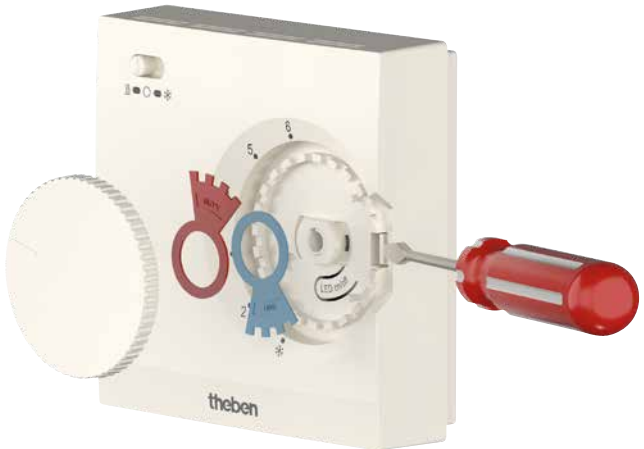
- Analog clock thermostat for time-dependent monitoring and control of room temperature
- Mains version
- Plug-in program disc with daily or weekly program
- Synchronous motor drive
- Normal and reduced temperatures can be set separately
- Electronic temperature control
- Operating point and electronic feedback adjustable from the front
- Party switch and program display
- Selector switch for operating mode: continuous reduced temperature, continuous normal temperature, automatic mode, frost and plant protection +6 °C

Program	Operating voltage	Switching capacity	External inputs	Power reserve	Type	Art.-No.	SD	CE
Daily/weekly program	230 V AC	6 A at 250 V AC, cos φ = 1 1 A at 250 V AC, cos φ = 0.6	–	–	RAMSES 722	7220030	147	177
Daily/weekly program	230 V AC	6 A at 250 V AC, cos φ = 1 1 A at 250 V AC, cos φ = 0.6	–	3 days	RAMSES 782	7820030	147	177



Quick and easy to install
Electronic room thermostats
RAMSES 700 S series

The RAMSES 700 S series is the economical solution for anyone looking for reliability and comfort – without an app, and with practical features.



- → **Easy replacement** during renovation of existing buildings
- → **Installed in seconds** with snap function without screws
- → Easy commissioning **without app**
- → **Electronic controller** is more precise than a bi-metal controller
- → **Rings under the control wheel** to limit the target temperature
- → **Dimmable and switchable LEDs**
- → **Robust construction** and unobtrusive design
- → Flush-mounted versions **suitable for common switch ranges**

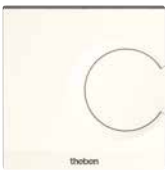
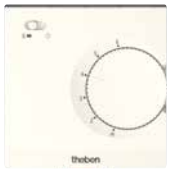
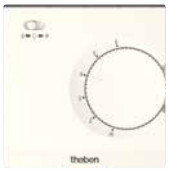
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	Mounting type	Contact type	Temperature control via control wheel	Heating / cooling switchable	Operating voltage	Type	page
Electronic room thermostats							
	Wall mounting	NO contact	√	–	230 V AC	RAMSES 701 S	110
	Wall mounting	NO contact	–	–	230 V AC	RAMSES 703 S	110
	Wall mounting	NO contact	√	–	230 V AC	RAMSES 706 S	110
	Wall mounting	NO contact	√	√	230 V AC	RAMSES 708 S	110
Electronic room thermostats, flush-mounted							
	Flush-mounted	NO contact	√	–	230 V AC	RAMSES 741 S	110
	Flush-mounted	NO contact	√	–	230 V AC	RAMSES 746 S	110
	Flush-mounted	NO contact	√	√	230 V AC	RAMSES 748 S	110

		Type	page
Mobile CO2 sensor			
		AMUN 716 CO2 Monitor	111
CO2 sensor			
		AMUN 716 SO	111
		AMUN 716 SR	111
Hygrostat			
		SOTHIS 715	111

Climate control
Room thermostats

Electronic room thermostats AP

- Electronic room thermostat for all types of heating, e.g., gas, water, electric heating, etc.
- Snap function, easy installation without screws
- Temperature setting range 5 ... 30°C

RAMSES 701 S
- Temperature control via control wheel
- Rings under the adjustment wheel to limit the setpoint temperature

RAMSES 703 S
- Tamper-proof temperature control (without adjustment wheel)
- External temperature reduction possible via control with time switch

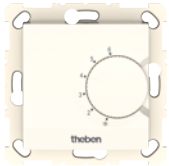
NEW

RAMSES 706 S
- Temperature control via control wheel
- Switch for on/off + indicator light
- External temperature reduction possible via control with time switch
- Dimmable and switchable LEDs
- Rings under the adjustment wheel to limit the setpoint temperature

RAMSES 708 S
- Temperature control via control wheel
- Mode switch (heating, off, cooling) + indicator light
- External temperature reduction possible via control with time switch
- Dimmable and switchable LEDs
- Rings under the adjustment wheel to limit the setpoint temperature
- Connection of an external temperature sensor possible (100k Ohm at 25°C)

Contact type	Mounting type	Heating/cooling switchable	Switch for on/off	Temperature control via control wheel	Switching capacity	Type	Art.-No.	SD	CE
NO contact	Wall mounting	–	–	√	10 A (at 230 V AC, cos φ = 1)	RAMSES 701 S	7010003	147	177
NO contact	Wall mounting	–	–	–	10 A (at 230 V AC, cos φ = 1)	RAMSES 703 S	7030003	147	177
NO contact	Wall mounting	–	√	√	10 A (at 230 V AC, cos φ = 1)	RAMSES 706 S	7060003	147	177
NO contact	Wall mounting	√	–	√	10 A (at 230 V AC, cos φ = 1)	RAMSES 708 S	7080003	147	177

Electronic room thermostats, flush-mounted





- Electronic room thermostat for all types of heating, e.g., gas, water, electric heating, etc.
- Snap function, easy installation without screws
- Temperature control via control wheel
- Rings under the adjustment wheel to limit the target temperature
- Temperature setting range 5 ... 30°C
- Matching cover frames for various switch ranges (can be ordered separately)

NEW

RAMSES 746 S
- Switch for on/off + indicator light
- External temperature reduction possible via control with time switch
- Dimmable and switchable LEDs

RAMSES 748 S
- Mode switch (heating, off, cooling) + indicator light
- External temperature reduction possible via control with time switch
- Dimmable and switchable LEDs
- Connection of an external temperature sensor possible (100k Ohm at 25°C)

Contact type	Mounting type	Heating/cooling switchable	Switch for on/off	Temperature control via control wheel	Switching capacity	Type	Art.-No.	SD	CE
NO contact	Flush-mounted	–	–	√	10 A (at 230 V AC, cos φ = 1)	RAMSES 741 S	7410300	147	177
NO contact	Flush-mounted	–	√	√	10 A (at 230 V AC, cos φ = 1)	RAMSES 746 S	7460300	147	177
NO contact	Flush-mounted	√	√	√	10 A (at 230 V AC, cos φ = 1)	RAMSES 748 S	7480300	147	177

Mobile CO2 sensor



- Mobile CO2 sensor with USB cable for measuring air quality
- Suitable for schools/kindergartens, offices, conference or meeting rooms, and living spaces
- In the event of a potentially dangerous CO2 concentration, the device issues a visual warning via the LED traffic light system, allowing ventilation to be optimized immediately and a healthy indoor climate to be created
- Green threshold value: Up to 1,000 ppm CO2, hygienically acceptable, everything is fine!
- Threshold value orange: Up to 2,000 ppm CO2, hygienically noticeable, ventilate – good idea!
- Threshold value red: Over 2,000 ppm CO2, hygienically unacceptable, ventilation is an absolute must!
- Once the red threshold value is reached, fresh air must be supplied and the stale air removed
- Includes USB cable for easy setup
- Stand and non-slip pad included in delivery, alternative wall mounting is also possible
- Developed based on the Federal Environment Agency's recommendation for CO2 in indoor air in accordance with various guidelines, e.g., the Bavarian "Guideline for the Promotion of Investment Costs for Technical Measures for Infection-Protective Ventilation in Schools (FILS-R)"

Display	Operating voltage	Output	CO measurement range$_2$	Humidity measuring range	Temperature measuring range	Type	Art.-No.	SD	CE
LED	5 V DC via USB bus voltage	–	0 - 5000 ppm	–	–	AMUN 716 CO2 Monitor	7169100	147	-

CO2 sensor





- Room air sensor for fan control, for measuring CO2 concentration, relative humidity, and temperature
- Optical display via LED traffic light system, adjustable threshold values
- Easy retrofitting of unregulated ventilation systems possible
- Display green: 1. Threshold value adjustable from 500 to 900 ppm
- Yellow display: 2nd . Threshold value adjustable from 1100 to 1500 ppm
- Red indicator: above 2. threshold
- Suitable power supply unit for flush mounting available as an option
- Suitable for schools/kindergartens, offices, conference or meeting rooms, and living spaces

AMUN 716 SO
- 3 outputs 0–10 V for CO2, temperature, and relative humidity

AMUN 716 SR
- 2 CO2-controlledswitching outputs for 2-stage control, with manual and automatic operation and display of the switching status | 3 outputs 0–10 V forCO2, temperature, and relative humidity

Display	Operating voltage	Output	CO measurement range$_2$	Humidity measuring range	Temperature measuring range	Type	Art.-No.	SD	CE
LED	24 V AC/DC SELV	3 x 0-10 V	0 - 5000 ppm	30 - 80% RH	5°C ... 40°C	AMUN 716 SO	7160820	147	-
LED	24 V AC/DC SELV	3 x 0-10 V, 2 x relay 5 A/250 V AC	0 - 5000 ppm	30 - 80% RH	5°C ... 40°C	AMUN 716 SR	7160110	147	-

Hygrostat



- Hygrostat for wall mounting
- Measurement of relative humidity
- Suitable for controlling humidifiers or ventilation and dehumidification systems
- Use SELV if there is a risk of dripping water or condensation forming in the housing

Mounting type	Type	Art.-No.	SD	CE
Wall mounting	SOTHIS 715	7150002	147	176

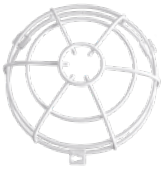
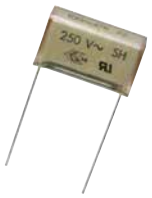
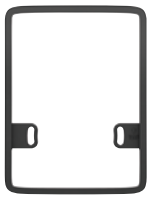
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Accessories

	Description	Suitable for	Art.-No.
	**Wall mounting kit 35 mm** • Wall mounting kit for surface mounting, sealable	All DIN-rail 2 modules	9070064
	**Wall mounting kit 17.5 mm** • Wall mounting kit for surface mounting, sealable	All DIN-rail 1 module	9070065
	**Wall mounting kit 52.5 mm** • Wall mounting kit for surface mounting, sealable	All DIN-rail 3 modules	9070050
	**Wall mounting kit 70 mm** • Wall mounting kit for surface mounting, sealable	All DIN-rail 4 modules	9070049
	**Terminal cover 52.5 mm** • Terminal cover for surface mounting, sealable	SUL 188 g, SUL 188 hw	9070061
	**Front panel installation set** • The front panel mounting kit is suitable for Theben distribution devices with a width of 17.5 to 107.5 mm	All distribution devices	9070001
	**Quick fastening 72 x 72** • Quick fastening for 35 mm DIN rail	All devices Front panel installation/wall mounting	9070071
	**PC set OBELISK top2/3** • Consisting of: OBELISK top2 memory card, USB plug adapter	TR top2, TR top3, LUNA top3, SELEKTA top2, TR top2 KNX	9070409
	**Bluetooth OBELISK top3** • Dimensions and weights	TR top3, SELEKTA top3, LUNA top3, theben-eltimo top3	9070130

	Description	Suitable for	Art.-No.
	**OBELISK top2 memory card** • Memory card individually	TR top2, TR top3, LUNA top3, SELEKTA top2, TR top2 KNX	9070404
	**RC-DCF antenna** • Connection is made via a separate 2-wire, unshielded power cable (max. 100 m), to which up to 5 Theben devices can be connected	TR top2 RC, TR top3 RC, LUNA top3 RC, SELEKTA top2, SELEKTA top3, TR top2 KNX	9070410
	**RC-GNSS antenna** • Dimensions: 95 x 48 x 45 mm	TR top2 RC, TR top3 RC, LUNA top3 RC, SELEKTA top2, SELEKTA top3, TR top2 KNX	9070823
	**RC-GNSS R antenna** • The antenna is connected via a 2-wire cable (max. 100 m) to Theben top2/ top3 RC devices (up to 5 devices can be connected, depending on the device type).	TR top2 RC, TR top3 RC, LUNA top3 RC, SELEKTA top2, SELEKTA top3, TR top2 KNX	9070807
	**Cover 55 x 55 for BZ** • Cover for operating hours counter	BZ 142-1	9070041
	**Cover 72 x 72 for BZ** • Cover for operating hours counter	BZ 142-1	9070074
	**Surface frame 110A WH** • Color: Pure white	thePrema UP conventional, theRonda UP, theMova UP, thePassa UP	9070912
	**Surface frame 110A GR** • Color: Gray	thePrema UP conventional, theRonda UP, theMova UP, thePassa UP	9070913
	**Surface frame 110A BK** • Color: Black	thePrema UP conventional, theRonda UP, theMova UP, thePassa UP	9070600
	**Surface frame 110B WH** • Color: Pure white	thePrema KNX	9070918
	**Surface frame 110B GR** • Color: Gray	thePrema KNX	9070919
	**Surface frame 110B BK** • Color: Black	thePrema KNX	9070435

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	Description	Suitable for	Art.-No.
	**Ceiling recessed box 68A** • 850 °C glow wire tested	All flush-mounted detectors	9070992
	**Cover 110 GR** • Cover frame in gray	theRonda UP, theMova UP, thePassa UP	9070591
	**Cover 110 BK** • Cover frame in black	theRonda UP, theMova UP, thePassa UP	9070851
	**Cover 85 GR** • Cover frame in gray	theRonda DE, theMova DE	9070594
	**Cover 85 BK** • Cover frame in black	theRonda DE, theMova DE	9070852
	**Cover FLAT 85 GR** • Cover frame in gray	theRonda FLAT DE, theMova FLAT DE	9070597
	**Cover FLAT 85 BK** • Cover frame in black	theRonda FLAT DE, theMova FLAT DE	9070853
	Cover clip • 5 pieces included in delivery	theRonda UP, theMova UP, thePassa UP	9070921
	**Surface frame 75B WH** • Suitable for PlanoSpot	PlanoSpot	9070796
	**Surface frame 75B BK** • Suitable for PlanoSpot	PlanoSpot	9070824
	**PlanoCover 76 WH** • Color: White	PlanoSpot	9070976
	**PlanoCover 76 BK** • Color: Black	PlanoSpot	9070977

	Description	Suitable for	Art.-No.
	**Cover 46 BK** • Cover frame in black	thePiccola	9070797
	**Surface box LUXA 103 BK** • Color: Black	LUXA 103 S360 AP	9070843
	**Surface box LUXA 103 GR** • Color: Concrete gray (RAL 7023)	LUXA 103 S360 AP	9070844
	**Surface box LUXA 103 B WH** • Color: White (similar to RAL 9010)	LUXA 103 KNX UP / LUXORliving BI360	9080019
	**Surface box LUXA 103 B GR** • Color: Gray (similar to RAL 7023)	LUXA 103 KNX UP / LUXORliving BI360	9080020
	**Surface box LUXA 103 B BK** • Color: Black (similar to RAL 9005)	LUXA 103 KNX UP / LUXORliving BI360	9080021
	**QuickSafe ball protection basket** • Particularly impact-resistant	All detectors	9070531
	**Interference filter RC element** • Interference suppression filter for presence and motion detectors	All detectors	9070523
	**Spacer theLuxa S BK** • Spacers for flexible installation (cable entry at the bottom, side, top, and more space for cable routing)	theLuxa S	9070907
	**Spacer theLuxa S WH** • Spacers for flexible installation (cable entry at the bottom, side, top, and more space for cable routing)	theLuxa S	9070906
	**Spacer theLuxa P BK** • Spacers for flexible installation (cable entry at the bottom, side, top, and more space for cable routing)	theLuxa P	9070909

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	Description	Suitable for	Art.-No.
	**Spacer theLuxa P WH** • Spacers for flexible installation (cable entry at the bottom, side, top, and more space for cable routing)	theLuxa P	9070908
	**Corner angle theLuxa S BK** • For corner mounting of the motion detector	theLuxa S	9070903
	**Corner angle theLuxa S WH** • For corner mounting of the motion detector	theLuxa S	9070902
	**Corner angle theLuxa P BK** • For corner mounting of the motion detector	theLuxa P	9070905
	**Corner angle theLuxa P WH** • For corner mounting of the motion detector	theLuxa P	9070904
	**Corner angle 10 AL** • For corner mounting of the LED spotlight	theLeda D	9070970
	**Corner angle 10 BK** • For corner mounting of the LED spotlight	theLeda S, theLuxa R	9070987
	**Corner angle 10 AN** • For corner mounting of the LED spotlight	TECTA	9080031
	**Corner angle 10 WH** • For corner mounting of the LED spotlight	theLeda S, theLuxa R, TECTA	9070969

	Description	Suitable for	Art.-No.
	**Spacer 10 AL** • Spacers for flexible installation (cable entry at the bottom, side, top, and more space for cable routing)	theLeda D	9070972
	**Spacer 10 BK** • Spacers for flexible installation (cable entry at the bottom, side, top, and more space for cable routing)	theLeda S, theLuxa R	9070988
	**Spacer 10 WH** • Spacers for flexible installation (cable entry at the bottom, side, top, and more space for cable routing)	theLeda S, theLuxa R, TECTA	9070971
	**Spacer 10 AN** • Spacers for flexible installation (cable entry at the bottom, side, top, and more space for cable routing)	TECTA	9080032
	**Surface frame 100A WH** • Color: Pure white	LUXA 104	9070819
	**Surface frame LUXA 103-100 U** • Frame for surface mounting of the motion detector	LUXA 103-100 UA	9070986
	**Surface frame LUXA 103-200** • Suitable for theMura and LUXA 103-200	LUXA 103-200	9070504
	**Adapter frame 45A BJBSI WH** • Adapter frame and push button cover included in delivery	theMura, 4-way button module, TR 030 top3 UP, SELEKTA 070 top3 UP	9070788
	**Adapter frame 45A BJBA CL** • Adapter frame and push button cover included in delivery	theMura, 4-way button module, TR 030 top3 UP, SELEKTA 070 top3 UP	9080002
	Adapter frame 45A BJRE WH • Adapter frame and push button cover included in delivery	theMura, 4-way button module, TR 030 top3 UP, SELEKTA 070 top3 UP	9070754

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	Description	Suitable for	Art.-No.
	**Adapter frame 45A BJRE CL** • Adapter frame and push button cover included in delivery	theMura, 4-way button module, TR 030 top3 UP, SELEKTA 070 top3 UP	9080001
	**Adapter frame 45A JAS WH** • Adapter frame and push button cover included in delivery	theMura, 4-way button module, TR 030 top3 UP, SELEKTA 070 top3 UP	9070789
	**Adapter frame 45A JUAS CL** • Adapter frame and push button cover included in delivery	theMura, 4-way button module, TR 030 top3 UP, SELEKTA 070 top3 UP	9080003
	**Adapter frame 45A MMP WH** • Adapter frame and push button cover included in delivery	theMura, 4-way button module, TR 030 top3 UP, SELEKTA 070 top3 UP	9070790
	**Adapter frame 45A MEMP CL** • Adapter frame and push button cover included in delivery	theMura, 4-way button module, TR 030 top3 UP, SELEKTA 070 top3 UP	9080004
	**Adapter frame 45A GS WH** • Adapter frame and push button cover included in delivery	theMura, 4-way button module, TR 030 top3 UP, SELEKTA 070 top3 UP	9070791
	**Adapter frame 45A GIST CL** • Adapter frame and push button cover included in delivery	theMura, 4-way button module, TR 030 top3 UP, SELEKTA 070 top3 UP	9080005
	**Adapter frame 45A BS WH** • Adapter frame and push button cover included in delivery	theMura, 4-way button module, TR 030 top3 UP, SELEKTA 070 top3 UP	9070792
	**Adapter frame 45A BESI CL** • Adapter frame and push button cover included in delivery	theMura, 4-way button module, TR 030 top3 UP, SELEKTA 070 top3 UP	9080006

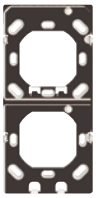
	Description	Suitable for	Art.-No.
	**theLeda B sensor WH** • Motion detector module for mounting on theLeda B spotlights	theLeda B	9080041
	**theLeda B sensor BK** • Motion detector module for mounting on theLeda B spotlights	theLeda B	9080042
	**theSenda B** • Automatic search using filter function or stored parameter sets	theLeda D, theMova, thePrema, theRonda, PlanoSpot, thePassa, LUXA 103 S360, thePiccola P, LUXA 104, theMura	9070985
	**theSenda P** • ON/OFF	theLuxa P, theLeda D, theMova, thePrema, theRonda, PlanoSpot, thePassa, LUXA 103 S360, thePiccola P, LUXA 104, theMura	9070910
	**theSenda S** • Presence simulation	theLuxa P, theLeda D, theMova, thePrema, theRonda, PlanoSpot, thePassa, LUXA 103 S360, thePiccola P, LUXA 104, theMura	9070911
	**Ground spike theLeda D B** • Ground spike for ground mounting of theLeda D B LED bollard light	theLeda D B	9070765
	**Adapter plate LUNA star** • The adapter plate simplifies the replacement of defective twilight switches from, for example, Eberle, ESYLUX, Legrand, Grässlin, Hager, Merten, Senmatic, Theben	LUNA star	9070486
	**Adapter plate LUNA star AN** • The adapter plate simplifies the replacement of defective twilight switches from, for example, Eberle, ESYLUX, Legrand, Grässlin, Hager, Merten, Senmatic, Theben	LUNA star	9080044

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	Description	Suitable for	Art.-No.
	**Surface-mounted digital light sensor** • Dimensions: 95 x 48 x 45 mm	LUNA 110 plus, LUNA top3, LUNA 134 KNX	9070415
	**Built-in digital light sensor** • Protection class IP 66 (front) | IP 40 (rear)	LUNA 110 plus, LUNA top3, LUNA 134 KNX	9070456
	**Surface-mounted light sensor plus** • Dimensions: 95 x 48 x 45 mm	LUNA 108 plus	9070991
	**Built-in light sensor plus** • Protection class IP 66 (front) | IP 40 (rear)	LUNA 108 plus	9070990
	**Compensation module LED** • LED compensation module for dimmers	DIMAX	9070825
	**Diode module** • 2 diode modules included	DIMAX 534 plus	9070367
	**Adapter RAMSES 72x/78x** • Wallpaper/wall cover plate when replacing RAMSES 3xx devices with new clock thermostats, e.g., RAMSES 722	RAMSES 722, RAMSES 782, RAMSES 784, RAMSES 721, RAMSES 725	9070245
	**Adapter plate RAMSES 714** • Adapter plate 79 x 79 mm for UP box	SOTHIS 715, RAMSES 714, RAMSES 714 A, RAMSES 714 A/FH	9070212
	**Ext. Temperature sensor 1** • External temperature sensor	RAMSES 366/1 top2, TA 4 S DALI-2	9070191
	**Ext. Temperature sensor 2** • With temperature adjustment ± 3 K	RAMSES 366/1 top2	9070192

	Description	Suitable for	Art.-No.
	Temp. sensor RAMSES IP65 • External room temperature sensor	RAMSES top3, AMUN 716 S KNX, RAMSES 718 KNX, RAMSES BLE, UP actuators, TA 4/6/8 S KNX, LUXORliving T4/T8, FCA KNX, TA 4 S DALI-2	9070459
	**Floor sensor** • Protection class IP 65	RAMSES top3, AMUN 716 S KNX, RAMSES 718 KNX, RAMSES BLE, UP actuators, TA 4/6/8 S KNX, LUXORliving T4/T8, FCA KNX, TA 4 S DALI-2	9070321
	**RAMSES immersion sensor** • Also required for applications with domestic water control or boiler immersion sensor		9070379
	**Temperature sensor UP** • Compact design for easy installation in switch/distribution boxes	AMUN 716 S KNX, RAMSES 718 KNX, UP actuators, TA 4/6/8 S KNX, LUXORliving T4/T8, FCA KNX, TA 4 S DALI-2	9070496
	**Valve adapter VA 80** • Valve adapter for Onda, locks (from year of manufacture . 93), Oventrop (M 30 x 1.5), Heimeier, Herb, Therm-Concept, Frank, Roth (distributor), Dinotherm (distributor)	ALPHA 5 230 V, ALPHA 5 24 V, CHEOPS S KNX	9070437
	**Valve adapter VA 78** • VA 02 | M 30 x 1.5 | Velta	ALPHA 5 230 V, ALPHA 5 24 V, CHEOPS S KNX	9070436
	**Actuator ALPHA 5 230 V** • 100% protection against drive damage due to leaky valves	All clock thermostats, RAMSES 701–709, RAMSES 741–748, RAMSES 714, RAMSES 751, HMG 6 T KNX, HME 6 T KNX, HM 6 T KNX, HM 12 T KNX, HU 1 KNX, HU 1 S RF KNX, LUXORliving H1, LUXORliving H1 S RF	9070441
	**Actuator ALPHA 5 24 V** • 100% protection against drive damage due to leaky valves	All clock thermostats, HMG 6 T KNX, HME 6 T KNX, HM 6 T KNX, HM 12 T KNX, HMT 6 S KNX, HMT 12 S KNX	9070442
	**Power supply CO2 sensor** • Power supply unit for flush mounting 24 V/12 W (SELV)	AMUN 716 SR	9070494

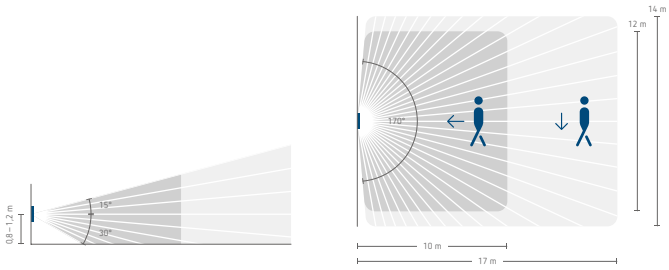
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	Description	Suitable for	Art.-No.
	**Mast mounting S** • Pole diameter 48-60 mm	LUXORliving M140, Meteodata KNX, LUNA 131 S KNX, LUNA 133 KNX	9070928
	**Bus module MIX2 Secure** • Bus coupler for upgrading existing MIX2 basic devices to KNX TP Secure	KNX MIX2 basic devices	9070084
	**Mounting plate 2-way iON** • For vertical mounting of two ION push buttons on standard double box (standard combination distance 71 mm)	iON KNX, LUXORliving iON	9070822
	**Mounting plate 2-way iON BK** • For vertical mounting of two ION push buttons on standard double box (standard combination distance 71 mm)	iON KNX, LUXORliving iON	9070855
	**1-way rocker switch WH** • 1-way rocker switch for LUXORliving and KNX push button actuator modules (including mounting frame)	LUXORliving and KNX push-button actuator modules	9080026
	**2-way rocker switch WH** • 2-way rocker switch for LUXORliving and KNX push-button actuator modules (including mounting frame)	LUXORliving and KNX push-button actuator modules	9080027
	**Surface box iON WH** • Housing for surface mounting of iON LUXORliving and KNX • Color: white	iON	9080024
	**Surface box iON BK** • Housing for surface mounting of iON LUXORliving and KNX • Color: black	iON	9080025
	**PS 24V DC** • Primary clocked power supply 24 V DC, 0.63 A • For supplying power to 24V devices, for example the 24V versions of the Meteodata 140 S KNX • Width 1 module • Width range input voltage (100-240 V AC / 110-250 V DC) • Push-in plug-in terminals (double connections, 45° angle) • Highest energy efficiency in idle and partial load operation (Efficiency Level VI)	Meteodata 24V KNX	9080034

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Detection areas

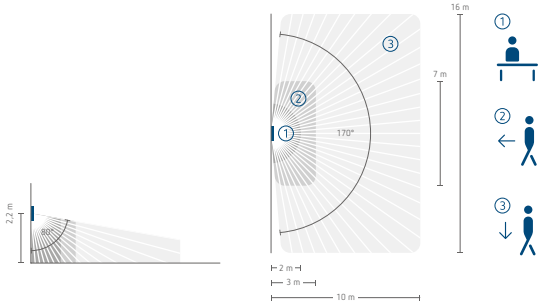
theMura



Mounting height (A)	Frontal (R)	Transverse (t)
1,1 m	120 m² | 12 m x 10 m	238 m² | 14 m x 17 m

Reference: 2060650, 2060655, 2060660, 2060670, 2060750, 2060755, 2060760, 2060770, 2069650, 2069655, 4800350

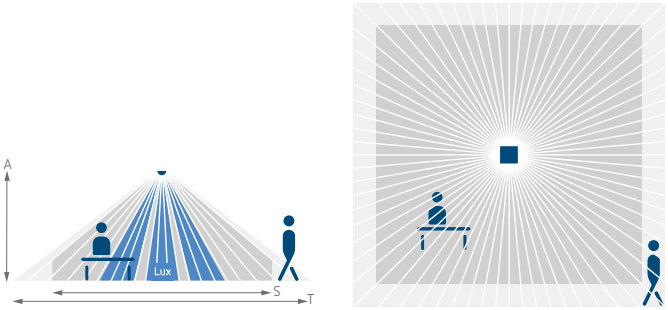
theMura 2.20



Mounting height (A)	Frontal (R)	Transverse (t)
2,2 m	21 m² | 7 m x 3 m	160 m² | 16 m x 10 m

Reference: 2060658, 2069658

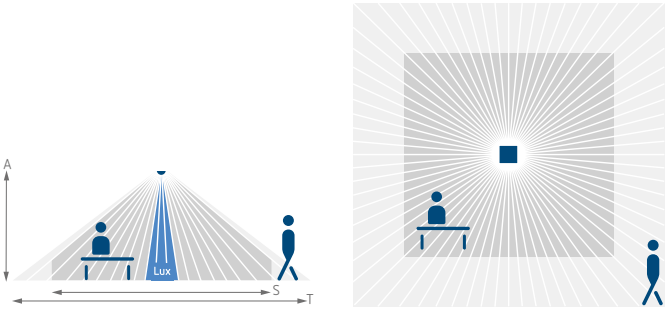
thePrema P



Mounting height (A)	Seated (S)	Walking (T)
2 m	20 m² | 4,5 m x 4,5 m	36 m² | 6 m x 6 m ± 0.5 m
2,5 m	36 m² | 6 m x 6 m	64 m² | 8 m x 8 m ± 0.5 m
3 m	49 m² | 7 m x 7 m	81 m² | 9 m x 9 m ± 1 m
3,5 m	64 m² | 8 m x 8 m	100 m² | 10 m x 10 m ± 1 m
5 m	-	144 m² | 12 m x 12 m ± 1.5 m
10 m	-	400 m² | 20 m x 20 m ± 2 m

Reference: 2070105, 2070106, 2070107, 2070130, 2070131, 2070132, 2079000, 2079001, 2079002, 2079900

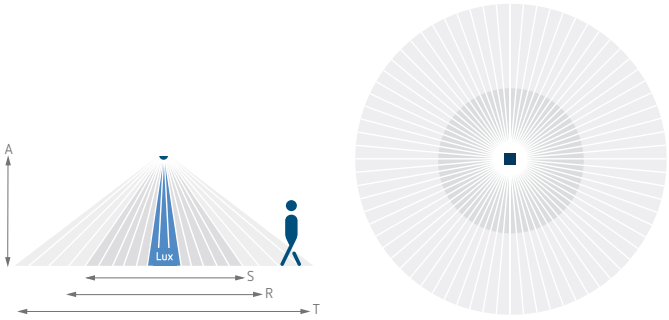
thePrema S / PlanoSpot



Mounting height (A)	Seated (S)	Walking (T)
2 m	9 m² | 3 m x 3 m	20 m² | 4.5 m x 4.5 m ± 0.5 m
2,5 m	16 m² | 4 m x 4 m	36 m² | 6 m x 6 m ± 0.5 m
3 m	25 m² | 5 m x 5 m	² 49 m² | 7 m x 7 m ± 1 m
3,5 m	-	² 64 m² | 8 m x 8 m ± 1 m

Reference: 2030190, 2039100, 2079500, 2079501, 2079502, 2070600, 2070601, 2070602, 2070605, 2070606, 2070607, 2070630, 2070631, 2070632

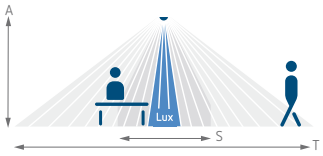
thePiccola P



Mounting height (A)	Seated (S)	Crosswise (T)	Frontal (R)
2,5 m	3 m² | 2 m	50 m² | 8 m	3 m² | 2 m

Reference: 2090200, 2099200

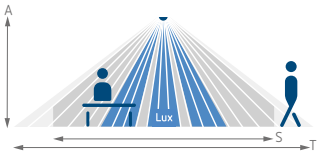
theRonda P



Mounting height (A)	Seated (S)	Crosswise (T)	Frontal (R)
2 m	16 m² | 4,5 m	380 m² | 22 m	28 m² | 6 m
2,5 m	24 m² | 5,5 m	415 m² | 23 m	38 m² | 7 m
3 m	28 m² | 6 m	452 m² | 24 m	50 m² | 8 m
3,5 m	38 m² | 7 m	452 m² | 24 m	50 m² | 8 m
6 m	-	452 m² | 24 m	50 m² | 8 m
10 m	-	491 m² | 25 m	50 m² | 8 m

Reference: 2080010, 2080020, 2080025, 2080030, 2080040, 2080580, 2080590, 2089000, 2090200

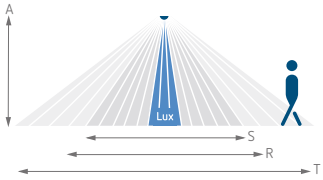
theRonda P360-330



Mounting height (A)	Seated (S)	Crosswise (T)	Frontal (R)
2 m	16 m² | 4,5 m	380 m² | 22 m	28 m² | 6 m
2,5 m	24 m² | 5,5 m	415 m² | 23 m	38 m² | 7 m
3 m	28 m² | 6 m	452 m² | 24 m	50 m² | 8 m
3,5 m	38 m² | 7 m	452 m² | 24 m	50 m² | 8 m
6 m	-	452 m² | 24 m	50 m² | 8 m
10 m	-	491 m² | 25 m	50 m² | 8 m

Reference: 2080045, 2080090, 2080095

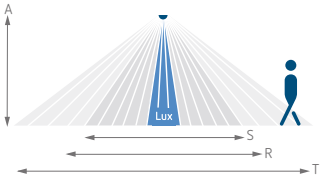
theRonda S



Mounting height (A)	Seated (S)	Crosswise (T)	Frontal (R)
2 m	5 m² | 2,5 m	38 m² | 7 m	5 m² | 2,5 m
2,5 m	7 m² | 3 m	38 m² | 7 m	7 m² | 3 m
3 m	13 m² | 4 m	50 m² | 8 m	13 m² | 4 m
3,5 m	-	50 m² | 8 m	13 m² | 4 m
4 m	-	64 m² | 9 m	13 m² | 4 m

Reference: 2080520, 2080525, 2080530, 2080540, 2080545, 2080550, 2080551, 2080552, 2080555, 2080556, 2080557, 2080560, 2080565, 2080570, 2089520, 2089550, 2089551, 2089552, 2089560

PIRA T8/T6 mini



Mounting height (A)	Seated (S)	Crosswise (T)	Frontal (R)
2 m	7 m² | 3 m	38 m² | 7 m	13 m² | 4 m
2,5 m	7 m² | 3 m	50 m² | 8 m	13 m² | 4 m
3 m	7 m² | 3 m	64 m² | 9 m	13 m² | 4 m

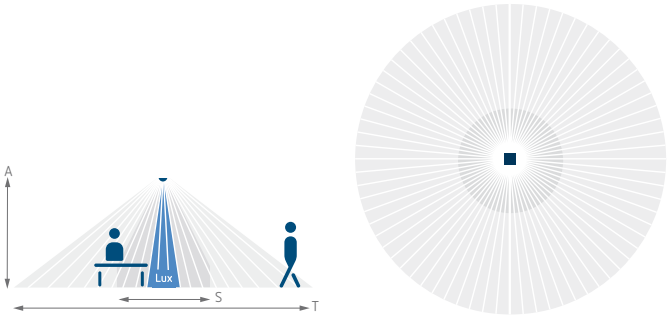
Reference: 1030200, 1030201, 1030203 (PIRA T8)

Mounting height (A)	Seated (S)	Crosswise (T)	Frontal (R)
2 m	3 m² | 2 m	28 m² | 6 m	7 m² | 3 m
2,5 m	3 m² | 2 m	28 m² | 6 m	7 m² | 3 m
3 m	3 m² | 2 m	38 m² | 7 m	13 m² | 4 m

Reference: 1030202 (PIRA T6 Mini)

Technical appendix
Detection areas

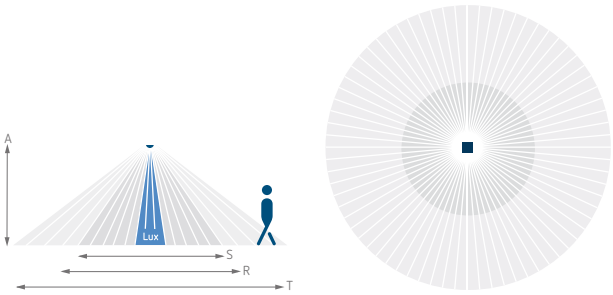
LUXA 104 S360-200-24



Mounting height (A)	Seated (S)	Crosswise (T)
2 m	16 m² | 4,5 m	380 m² | 22 m
2,5 m	24 m² | 5,5 m	415 m² | 23 m
3 m	28 m² | 6 m	452 m² | 24 m
3,5 m	38 m² | 7 m	452 m² | 24 m
6 m	-	452 m² | 24 m
10 m	-	491 m² | 25 m

Reference: 1040200

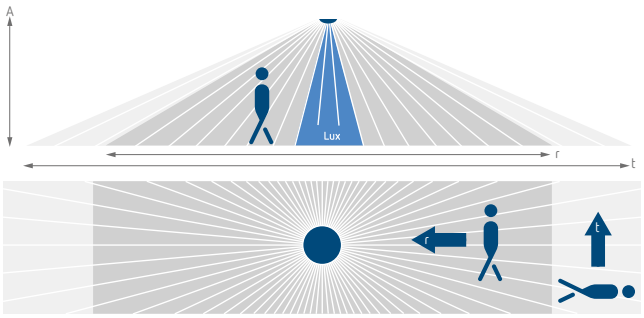
LUXA 103 S360-12



Mounting height (A)	Seated (S)	Crosswise (T)	Frontal (R)
2 m	13 m² | 4 m	78 m² | 10 m	28 m² | 6 m
2,5 m	20 m² | 5 m	113 m² | 12 m	28 m² | 6 m
3 m	20 m² | 5 m	78 m² | 10 m	28 m² | 6 m
3,5 m	20 m² | 5 m	78 m² | 10 m	28 m² | 6 m
4 m	-	78 m² | 10 m	28 m² | 6 m
6 m	-	113 m² | 12 m	28 m² | 6 m

Reference: 1030052, 1030053, 1030062, 1030063, 1030055, 1030056, 1039052, 1039053, 4800355

LUXA 103 S360-28 / PIRA TC DE/AP



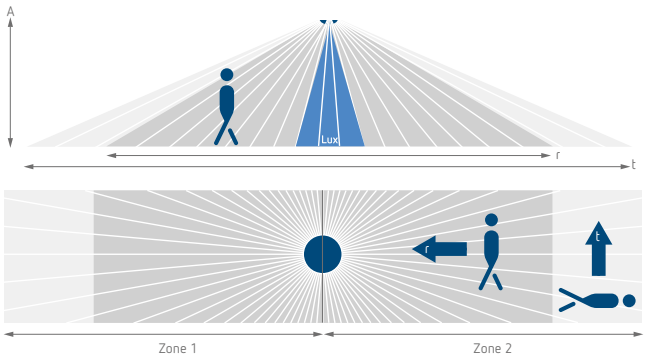
Mounting height (A)	Transverse (t)	Front-facing (r)
2,5 m	140 m² | 28 m x 5 m	70 m² | 14 m x 5 m
3 m	140 m² | 28 m x 5 m	70 m² | 14 m x 5 m
3,5 m	104 m² | 26 m x 4 m	60 m² | 12 m x 5 m

Reference: 1030072, 1030082, 1030075, 1030076, 1039072, 1039073 (LUXA 103 S360-28)

Mounting height (A)	Transverse (t)	Front-facing (r)
2 m	60 m² | 20 m x 3 m	27 m² | 9 m x 3 m
2,5 m	75 m² | 25 m x 3 m	36 m² | 12 m x 3 m
3 m	78 m² | 26 m x 3 m	36 m² | 12 m x 3 m

Reference: 1030204, 1030205 (PIRA TC)

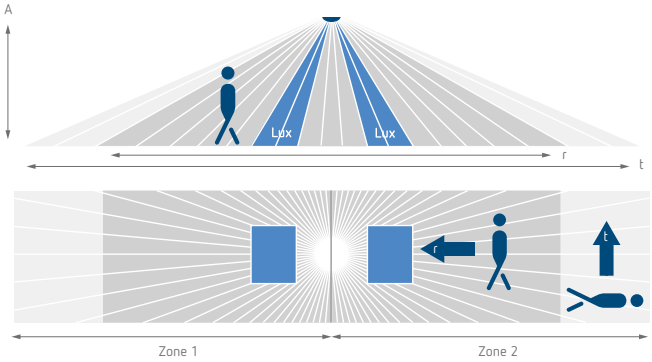
thePassa



Mounting height (A)	Transverse (t)	Frontal (R)
2 m	56 m² | 16 m x 3,5 m	56 m² | 16 m x 3,5 m
2,5 m	88 m² | 22 m x 4 m	72 m² | 18 m x 4 m
3 m	135 m² | 30 m x 4,5 m	90 m² | 20 m x 4,5 m
3,5 m	150 m² | 30 m x 5 m	100 m² | 20 m x 5 m
4 m	150 m² | 30 m x 5 m	100 m² | 20 m x 5 m
4,5 m	150 m² | 30 m x 5 m	100 m² | 20 m x 5 m
5 m	150 m² | 30 m x 5 m	100 m² | 20 m x 5 m
5,5 m	150 m² | 30 m x 5 m	100 m² | 20 m x 5 m
6 m	150 m² | 30 m x 5 m	100 m² | 20 m x 5 m

Reference: 2010300, 2010310, 2010311, 2010312, 2010313, 2010330

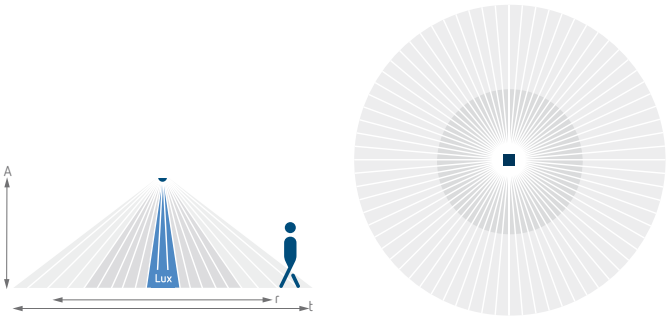
thePassa KNX/DALI



Mounting height (A)	Transverse (t)	Frontal (R)
2 m	56 m² | 16 m x 3,5 m	56 m² | 16 m x 3,5 m
2,5 m	88 m² | 22 m x 4 m	72 m² | 18 m x 4 m
3 m	135 m² | 30 m x 4,5 m	90 m² | 20 m x 4,5 m
3,5 m	150 m² | 30 m x 5 m	100 m² | 20 m x 5 m
4 m	150 m² | 30 m x 5 m	100 m² | 20 m x 5 m
4,5 m	150 m² | 30 m x 5 m	100 m² | 20 m x 5 m
5 m	150 m² | 30 m x 5 m	100 m² | 20 m x 5 m
5,5 m	150 m² | 30 m x 5 m	100 m² | 20 m x 5 m
6 m	150 m² | 30 m x 5 m	100 m² | 20 m x 5 m

Reference: 2010314, 2010315, 2010340, 2010390, 2019300

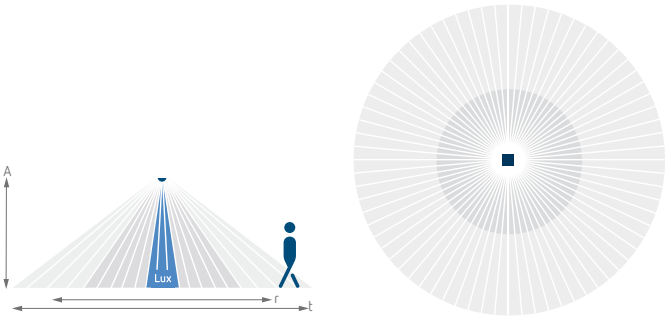
theMova S



Mounting height (A)	Frontal (R)	Transverse (t)
2 m	5 m² | 2,5 m	38 m² | 7 m
2,5 m	7 m² | 3 m	38 m² | 7 m
3 m	13 m² | 4 m	50 m² | 8 m
3,5 m	13 m² | 4 m	50 m² | 8 m
4 m	13 m² | 4 m	64 m² | 9 m

Reference: 1030540, 1030545, 1030550, 1030551, 1030552, 1030555, 1030556, 1030557, 1030560, 1030565, 1030570, 1030575

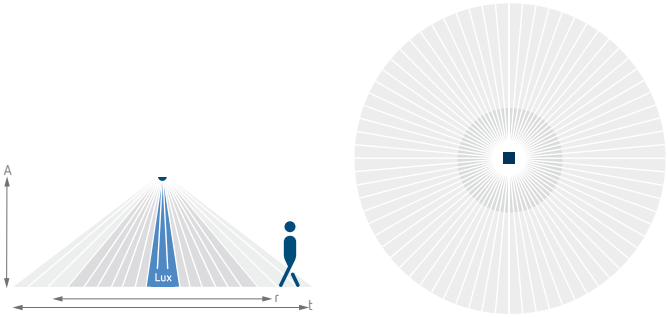
thePiccola S



Mounting height (A)	Frontal (R)	Transverse (t)
2,5 m	7 m² | 3 m	38 m² | 7 m

Reference: 1060200 (thePiccola S)

theMova P

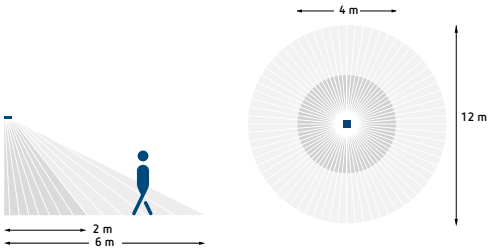


Mounting height (A)	Frontal (R)	Transverse (t)
2 m	28 m² | 6 m	380 m² | 22 m
2,5 m	38 m² | 7 m	415 m² | 23 m
3 m	50 m² | 8 m	452 m² | 24 m
3,5 m	50 m² | 8 m	452 m² | 24 m
6 m	50 m² | 8 m	452 m² | 24 m
10 m	50 m² | 8 m	491 m² | 25 m

Reference: 1030600

Technical appendix
Detection areas

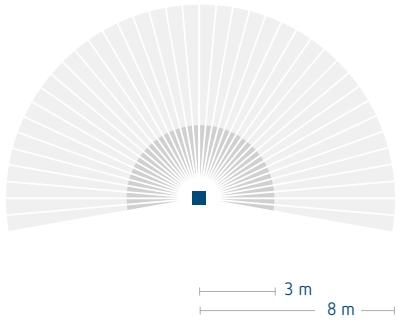
LUXA 103-100 UA



Mounting height (A)	Transverse (t)	Frontal (R)
2,5 m	12 m	4 m

Reference: 1030045

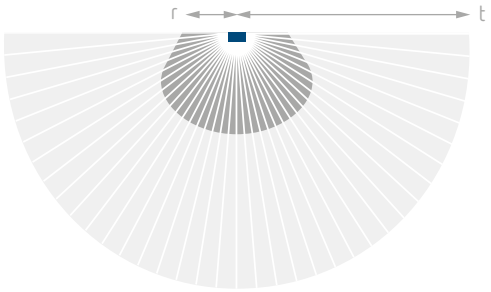
LUXA 103-200



Mounting height (A)	Transverse (t)	Frontal (R)
2 m	8 m	3,5 m

Reference: 1030031

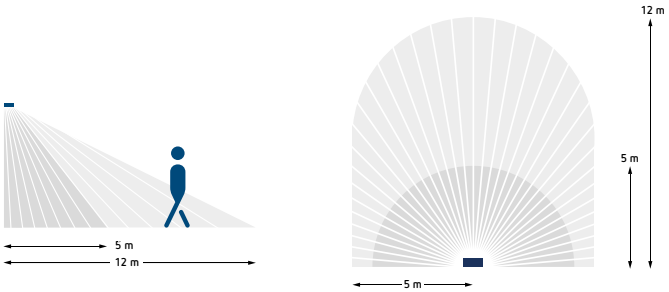
PIRA TO



Mounting height (A)	Transverse (t)	Frontal (R)
2 m	10 m	3 m

Reference: 1030206

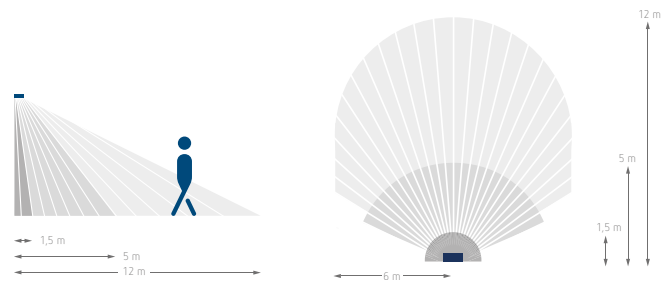
theLuxa R



Mounting height (A)	Transverse (t)	Frontal (R)
2,5 m	12 m	5 m

Reference: 1010200, 1010201

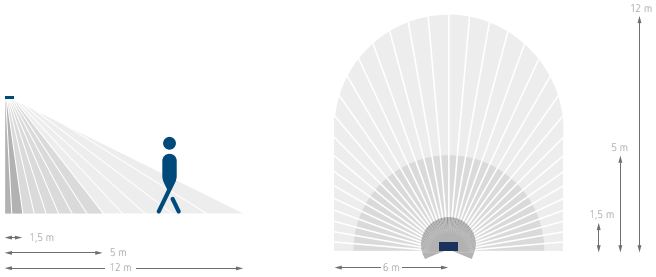
theLuxa S150



Mounting height (A)	Transverse (t)	Frontal (R)
2 m	9 m	3 m
2,5 m	12 m	5 m
3 m	12 m	5 m
3,5 m	12 m	5 m
4 m	9 m	3 m

Reference: 1010500, 1010501

theLuxa S180



Mounting height (A)	Transverse (t)	Frontal (R)
2 m	9 m	3 m
2,5 m	12 m	5 m
3 m	12 m	5 m
3,5 m	12 m	5 m
4 m	9 m	3 m

Reference: 1010505, 1010506

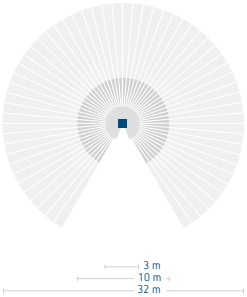
theLuxa S360



Mounting height (A)	Transverse (t)	Frontal (R)
2 m	15 m	4 m
2,5 m	16 m	5 m
3 m	16 m	5 m
3,5 m	10 m	5 m
4 m	8 m	3 m

Reference: 1010510, 1010511

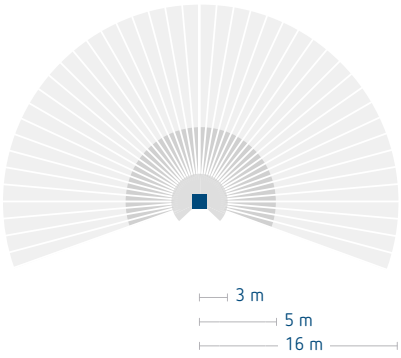
theLuxa P300



Mounting height (A)	Transverse (t)	Frontal (R)
2 m	12 m	4 m
2,5 m	16 m	5 m
3 m	16 m	5 m
3,5 m	16 m	5 m
4 m	12 m	4 m

Reference: 1010610, 1010611, 1019610, 1019611

theLuxa P220

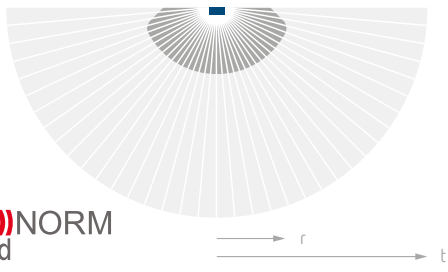


Mounting height (A)	Transverse (t)	Frontal (R)
2 m	12 m	4 m
2,5 m	16 m	5 m
3 m	16 m	5 m
3,5 m	16 m	5 m
4 m	12 m	4 m

Reference: 1010605, 1010606

Reference: 1010510, 1010511

TECTA D180



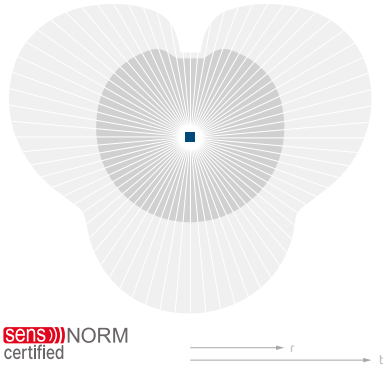
Mounting height (A)	Transverse (t)	Frontal (R)
1,8 m	10 m	3 m
2,2 m	12 m	4 m
2,5 m	14 m	5 m

Reference: 1010100, 1010101, 1010105, 1010106

sens)))NORM certified

Technical appendix
Detection areas

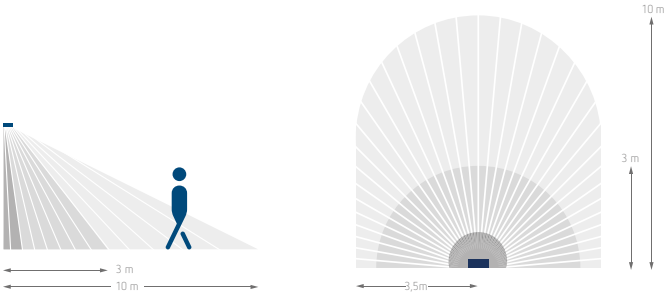
TECTA D280



Mounting height	Transverse (t)	Front-facing (r)
2,5 m	12 m	5 m
3 m	16 m	6 m
3,5 m	16 m	6 m
4 m	18 m	7 m
4,5 m	20 m	7 m
5 m	22 m	7 m
6 m	25 m	10 m

Reference: 1010110, 1010111

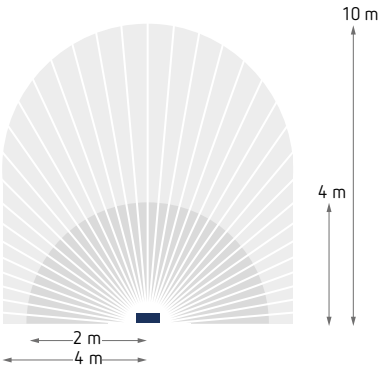
theLeda S



Mounting height (A)	Transverse (t)	Frontal (R)
2,5 m	10 m	3 m

Reference: 1020800, 1020801, 1020802, 1020803

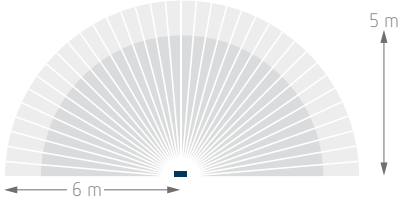
theLeda D wall lights



Mounting height (A)	Transverse (t)	Frontal (R)
2,2 m	10 m	4 m

Reference: 1020901, 1020902, 1020903, 1020904

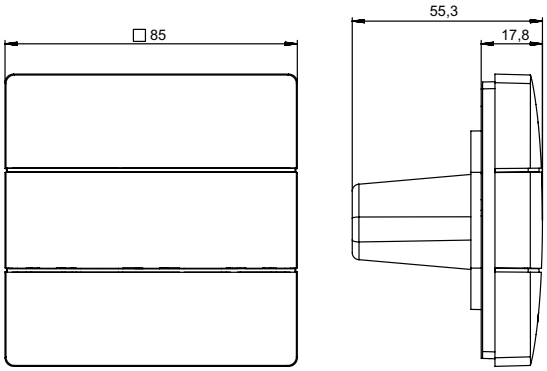
theLeda D B Path lights



Transverse (t)	Frontal (R)
6 m	5 m

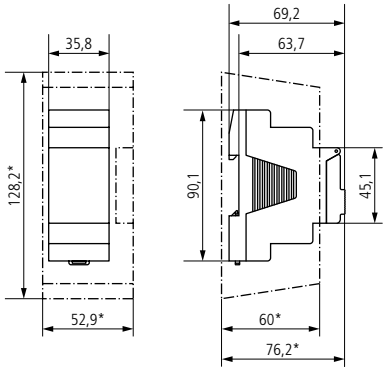
Reference: 1020905, 1020906, 1020907

LUXORliving IP-RF



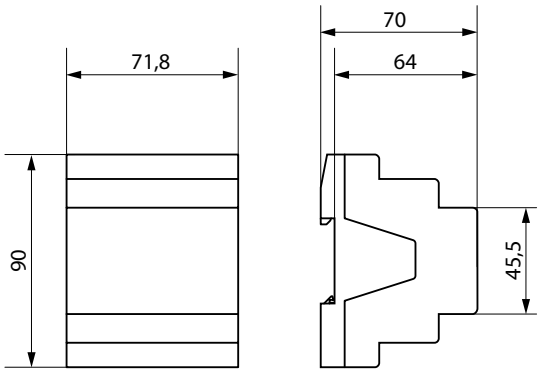
Reference: 4800000

Products 2 modules



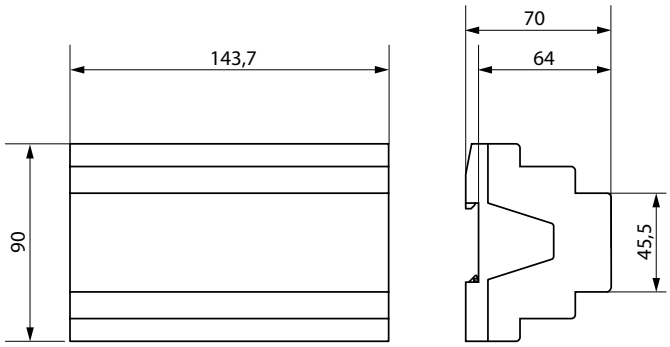
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Products 4 modules



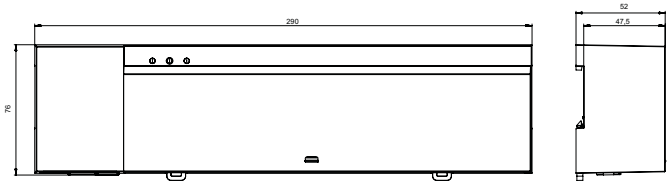
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Products 8 modules



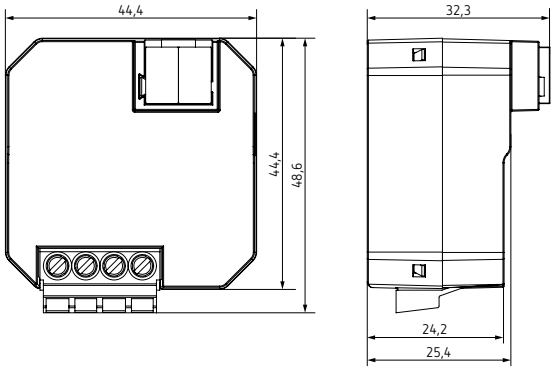
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HMT S KNX



Reference: 4800441, 4900373, 4900374

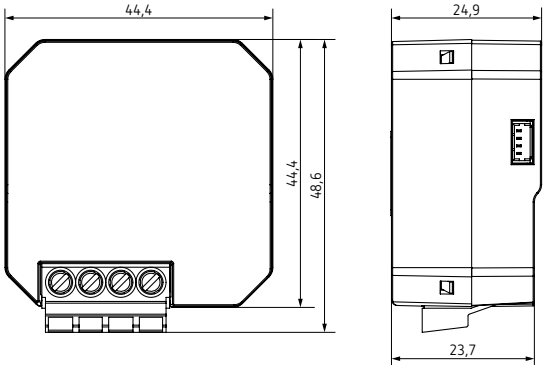
Flush-mounted actuators



Reference: 4800520, 4800540, 4800542, 4800550, 4800570, 4800580, 4942520, 4942540, 4942542, 4942550, 4942570, 4942580

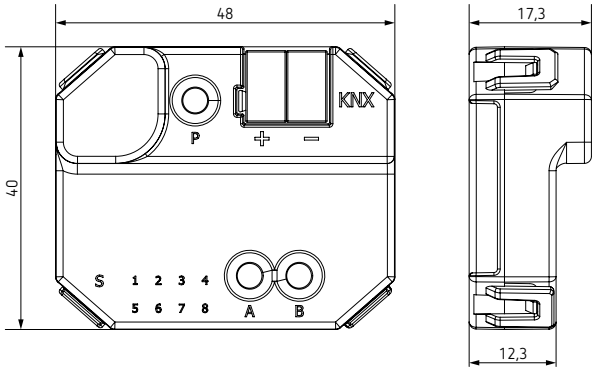
Technical appendix
Dimensional drawings

Flush-mounted RF actuators



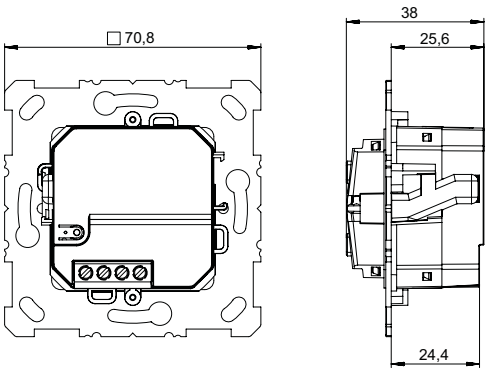
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Media coupler



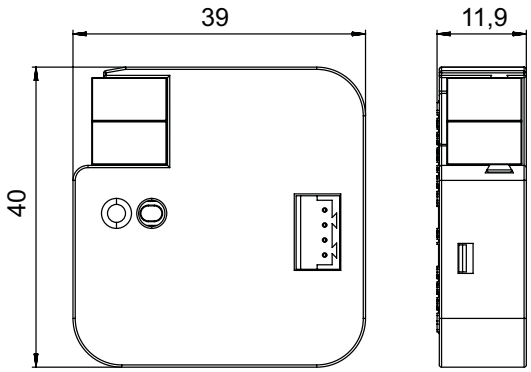
Reference: 4800868, 9070868

Push-button-actuator combinations



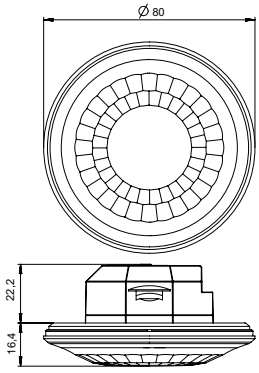
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Split unit gateway



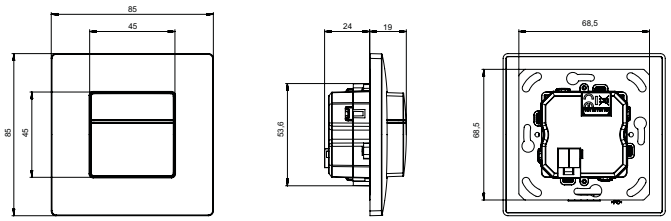
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LUXA 103 S360-12 KNX UP



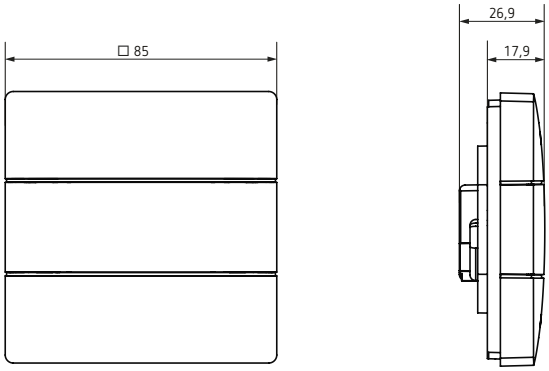
Reference: 1039052, 4800355

theMura KNX



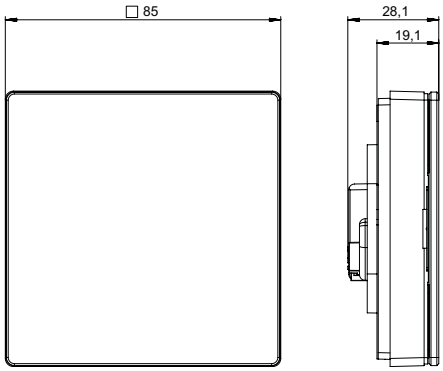
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iON



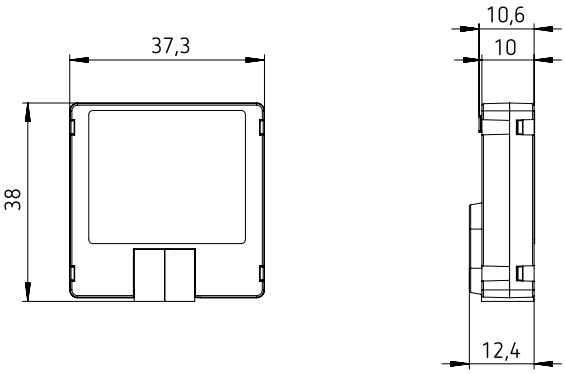
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iON G



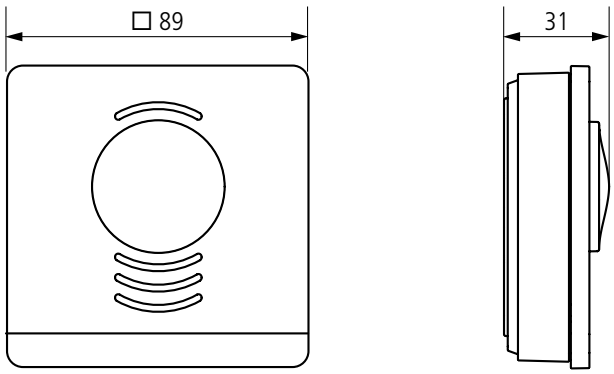
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TA KNX/LUXORliving



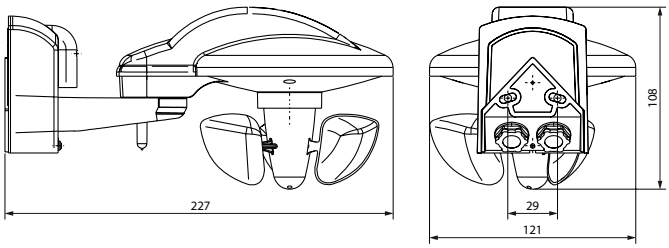
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RAMSES 718 P/AMUN 716 S



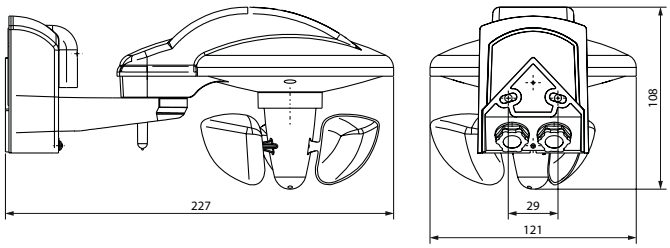
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Meteodata



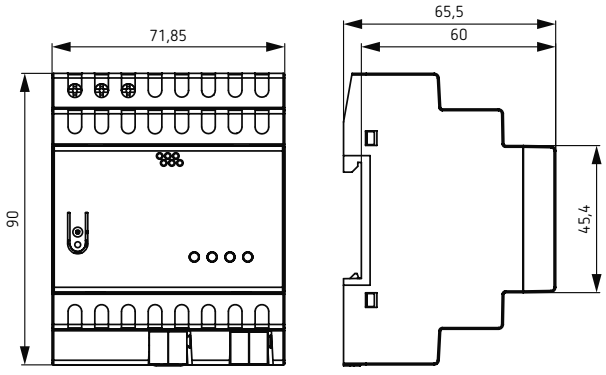
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Meteodata



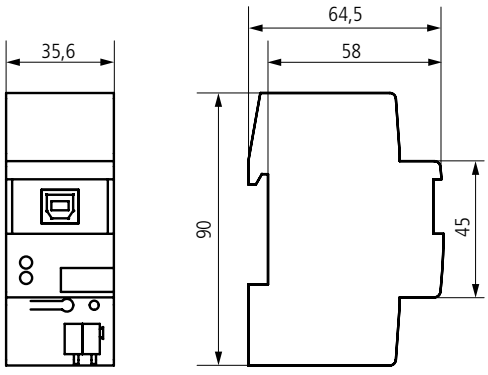
Reference: 4800493

PS T KNX



Reference: 9070956, 9070957, 9070958

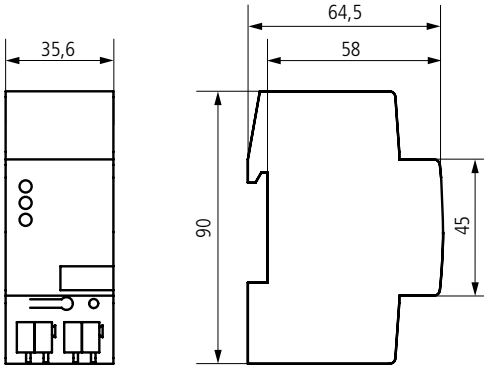
USB KNX interface



Reference: 9070397

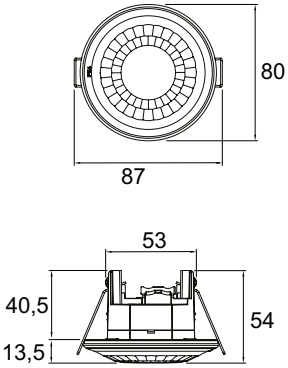
Technical appendix
Dimensional drawings

Line coupler / interface / router KNX



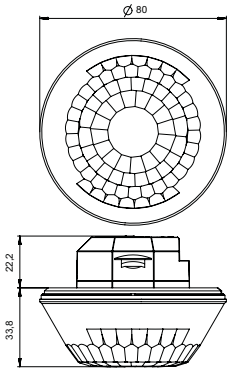
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LUXA 103 S360-12 KNX DE



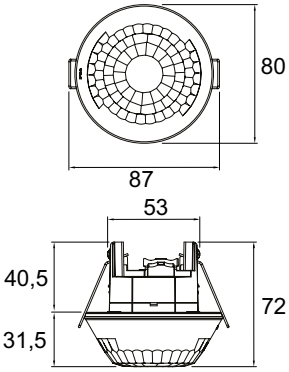
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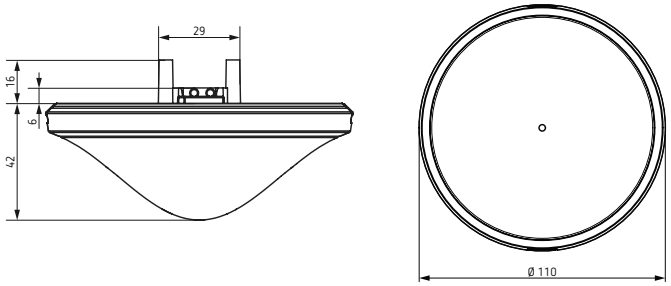
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LUXA 103 S360-28 KNX DE



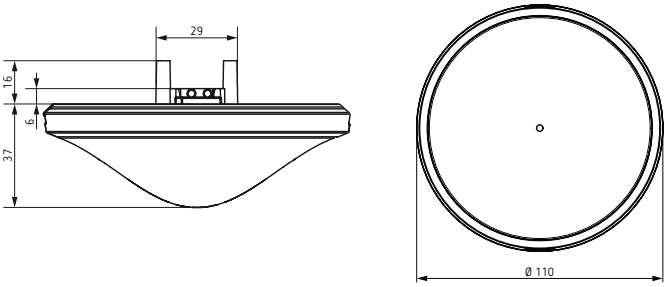
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thePrema P KNX



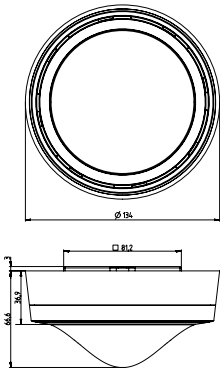
Reference: 2079000, 2079001, 2079002

thePrema S KNX



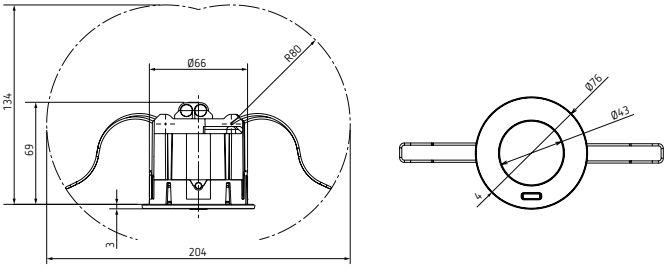
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thePrema P360 KNX AP Multi



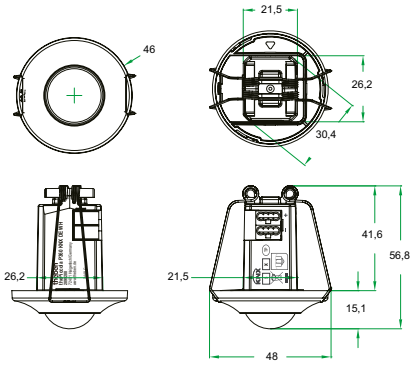
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PlanoSpot



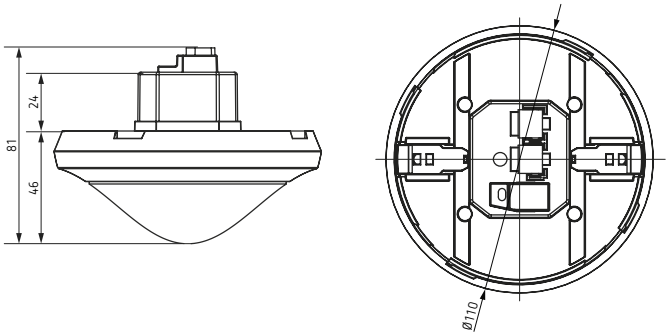
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thePiccola KNX



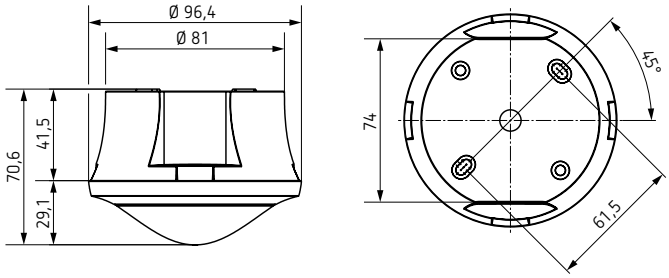
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theRonda/thePassa/theMova KNX UP



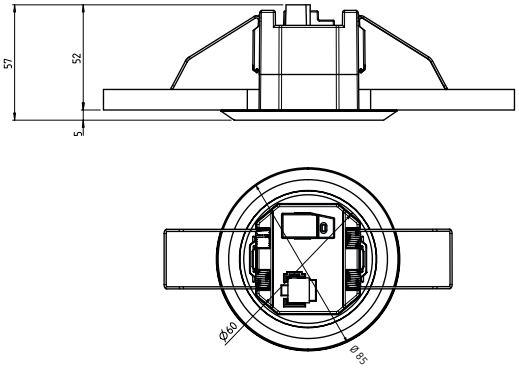
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theMova/theRonda AP



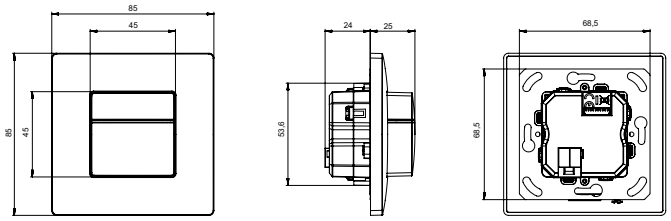
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theMova/theRonda KNX FLAT DE



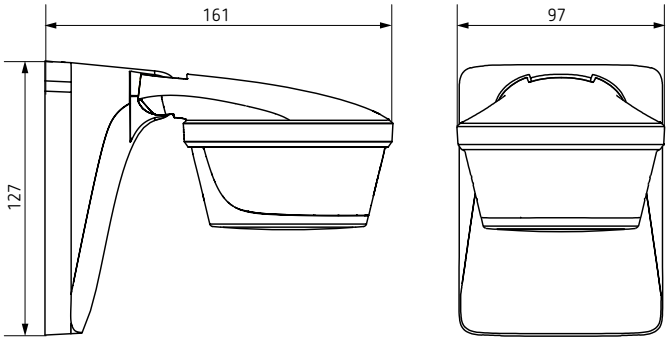
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theMura 2.20 KNX



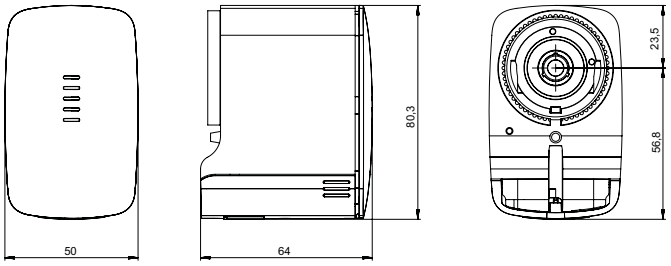
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theLuxa P



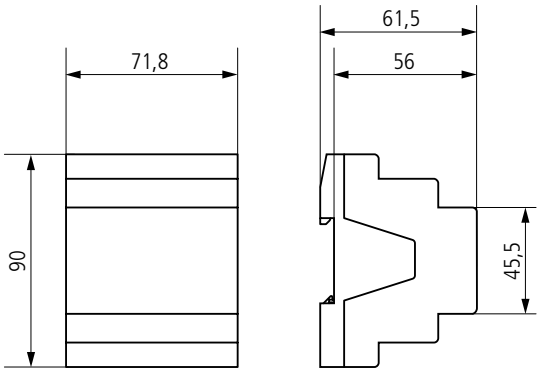
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CHEOPS S KNX



Reference: 7319205, 7319207

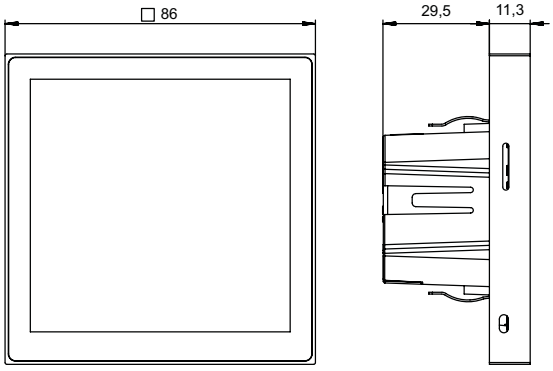
Products 4 modules



Reference: 4920200, 4920210

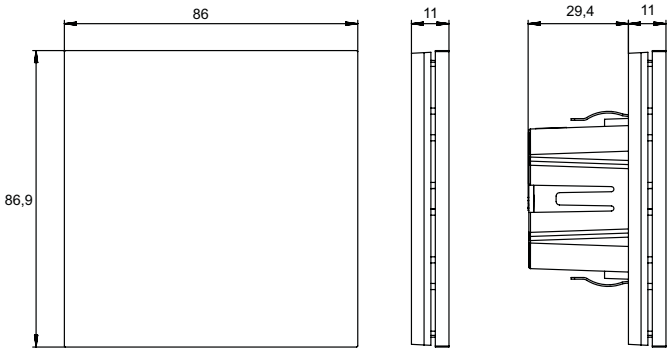
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iONprime CP4 KNX



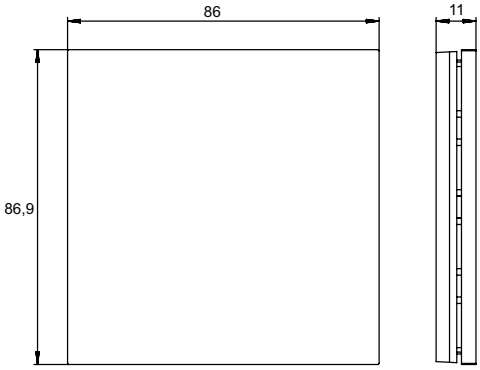
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iONprime PB KNX



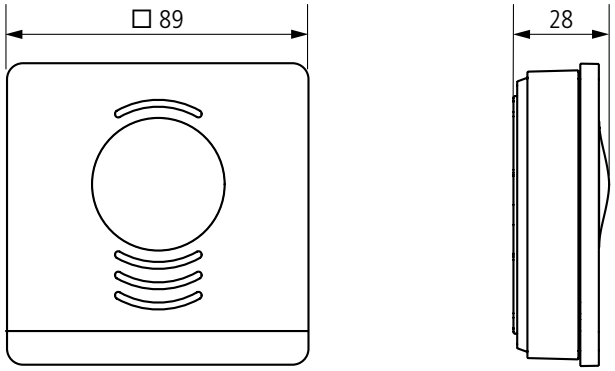
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iONprime PB rockers



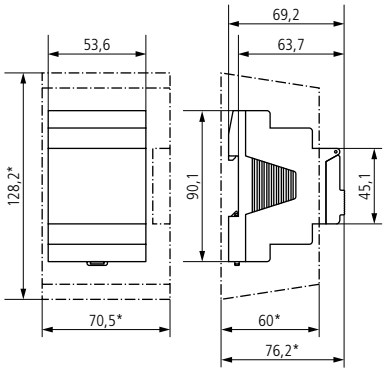
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RAMSES 718 P/AMUN 716 SR



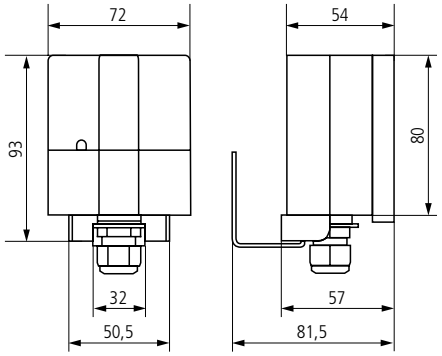
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Products 3 modules



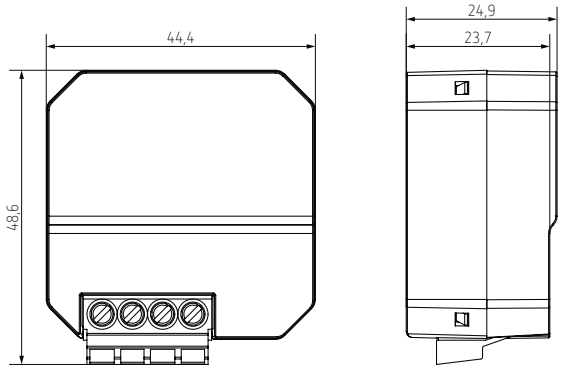
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RC-DCF/LUNA KNX antenna



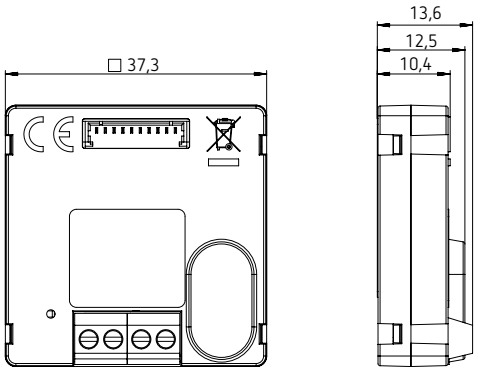
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SU 1 DALI-2



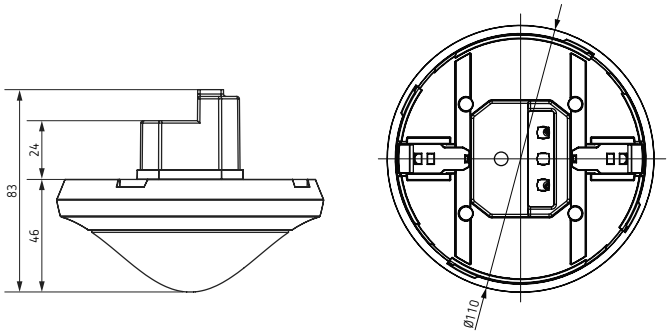
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TA 4 S DALI-2



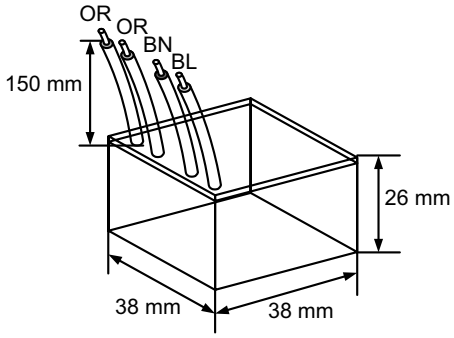
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theRonda/thePassa/theMova UP



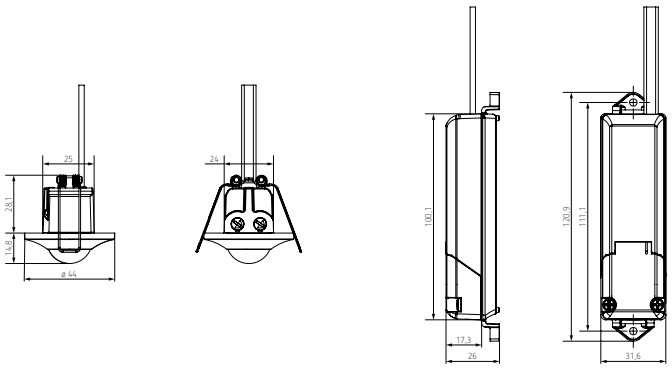
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LIGA.AIR.DALI.Theben



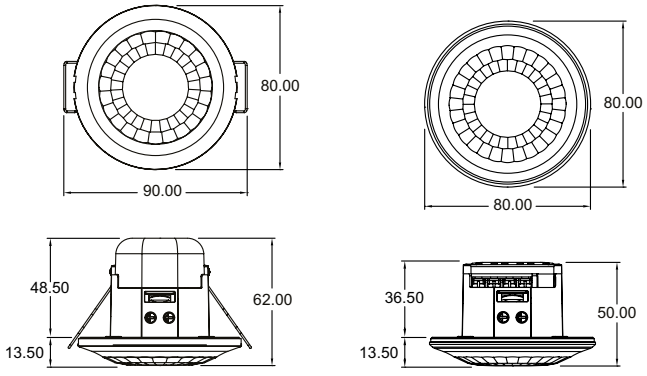
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thePiccola



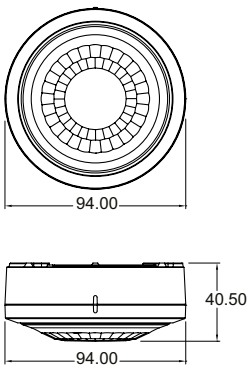
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LUXA 103 S360-12 DE-UP



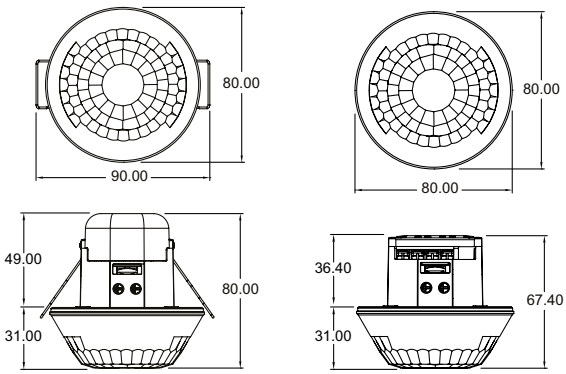
Reference: 1030052, 1030053

LUXA 103 S360-12 AP



Reference: 1030062, 1030063

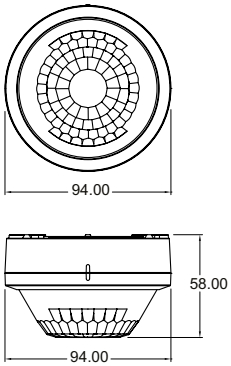
LUXA 103 S360-28 DE-UP



Reference: 1030072

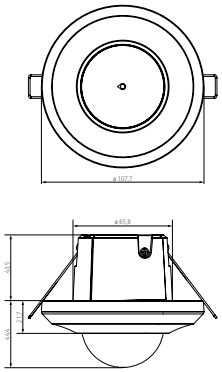
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LUXA 103 S360-28 AP



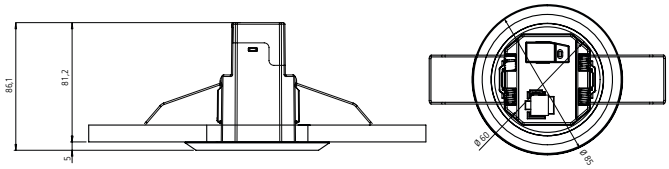
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LUXA 104 S360-200-24 DE-UP



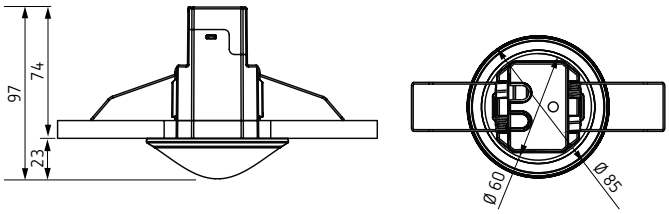
Reference: 1040200

theRonda/theMova FLAT



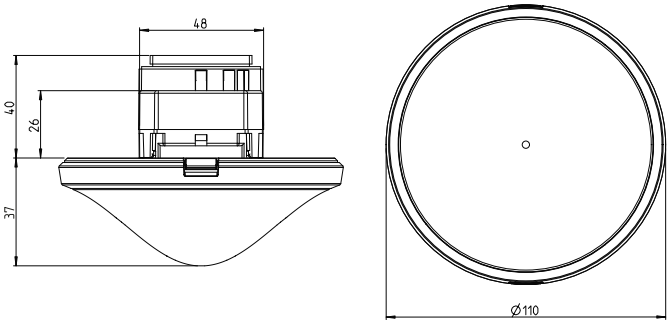
Reference: 1030540, 1030545, 2080540, 2080545

theMova/theRonda FLAT DE



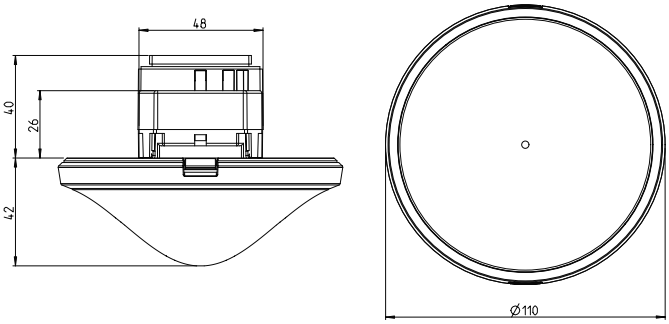
Reference: 1030560, 1030565, 2080560, 2080565

thePrema S



Reference: 2070600, 2070601, 2070602, 2070605, 2070606, 2070607, 2070630, 2070631, 2070632

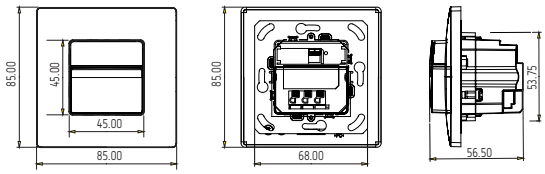
thePrema P



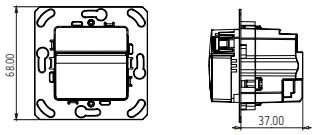
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theMura 100/101

theMura S180-100 UP WH (2060650) + theMura S180-101 UP WH (2060655)

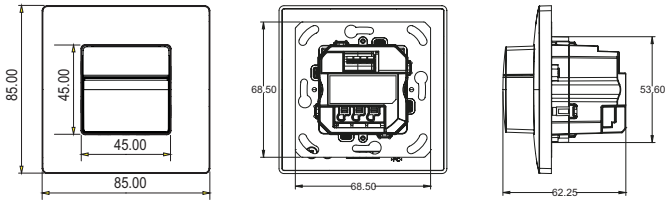


theMura S180-100 UP (2060750) + theMura S180-101 B UP (2060755)



Reference: 2060650, 2060655, 2060750, 2060755

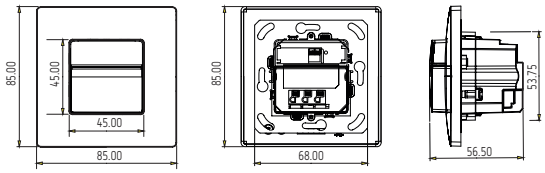
theMura 2.20



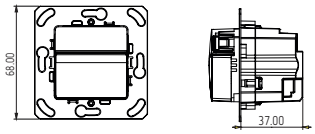
Reference: 2060658

theMura Slave / 2W

theMura S180-100 UP WH (2060650) + theMura S180-101 UP WH (2060655)

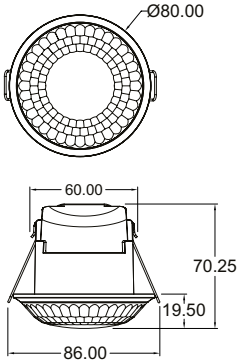


theMura S180-100 UP (2060750) + theMura S180-101 B UP (2060755)



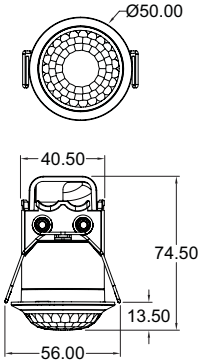
Reference: 2060660, 2060670, 2060760, 2060770

PIRA T8 DE



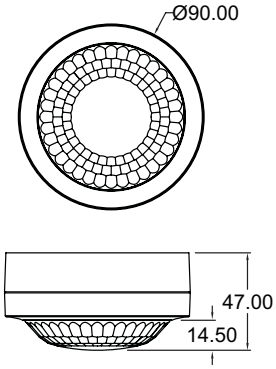
Reference: 1030200, 1030201

PIRA T8 Mini



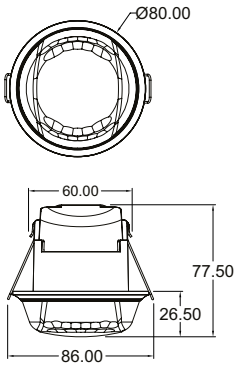
Reference: 1030202

PIRA T8 AP



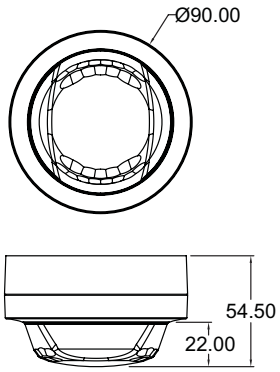
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PIRA TC DE



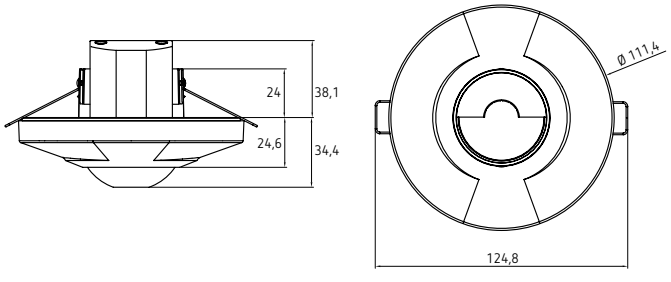
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PIRA TC AP



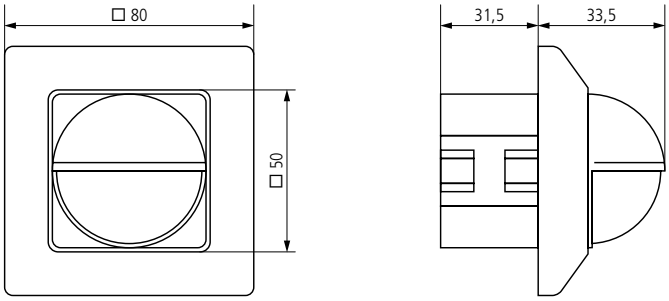
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LUXA 103-100 UA



Reference: 1030045

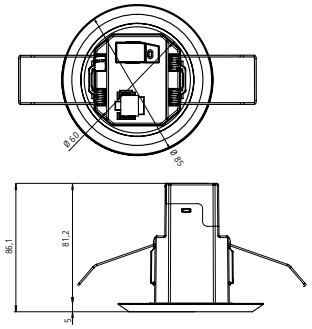
LUXA 103-200



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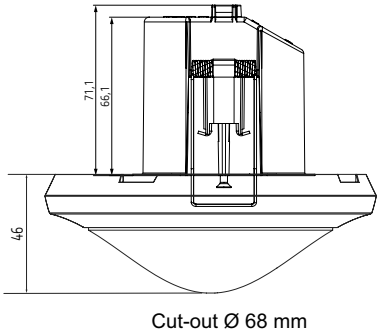
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theMova S360



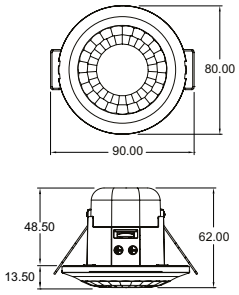
Reference: 1030570, 1030575, 2080570, 2080575

theRonda P/thePassa cable



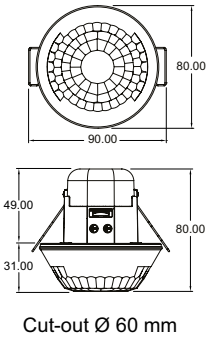
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LUXA 103 S360-12 Cable



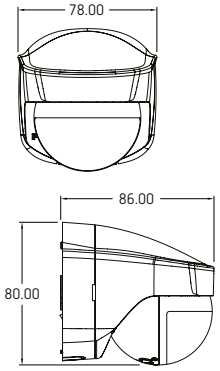
Reference: 1030055, 1030056

LUXA 103 S360-28 Cable



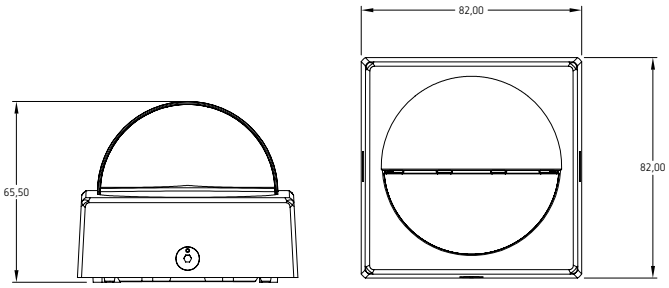
Reference: 1030075, 1030076

PIRA TO AP



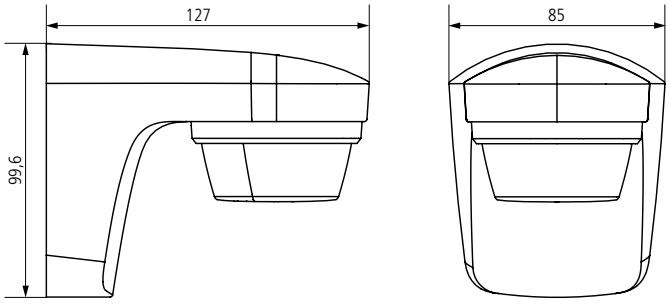
Reference: 1030206

theLuxa R



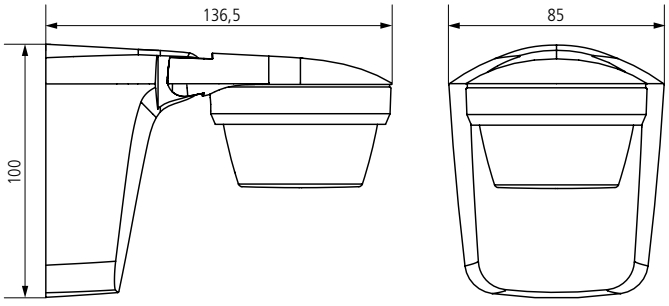
Reference: 1010200, 1010201

theLuxa S150/S180



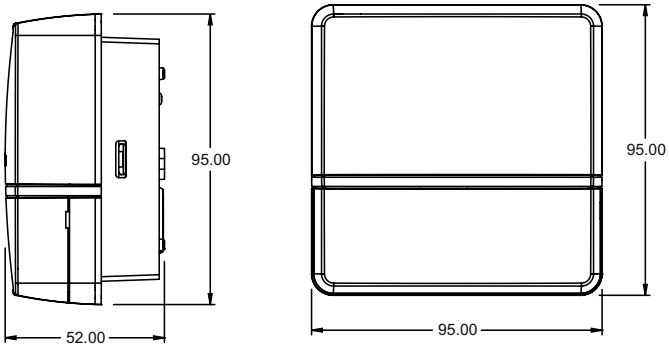
Reference: 1010500, 1010501, 1010505, 1010506

theLuxa S360



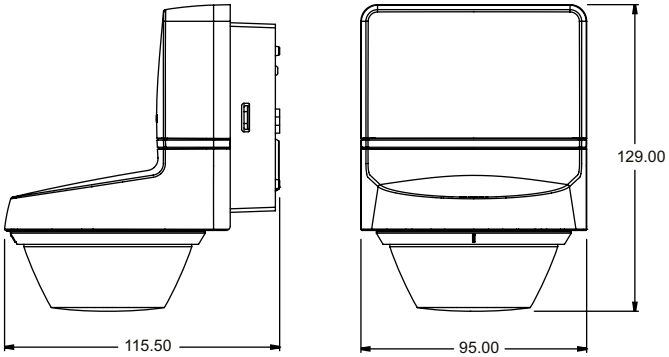
Reference: 1010510, 1010511

TECTA D180



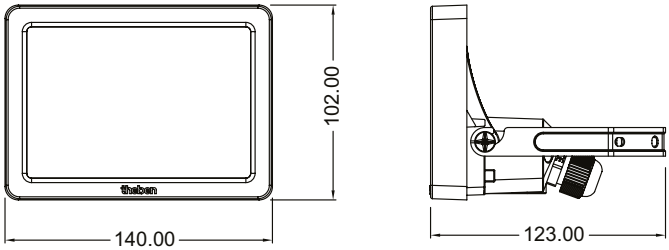
Reference: 1010100, 1010101, 1010105, 1010106

TECTA D280



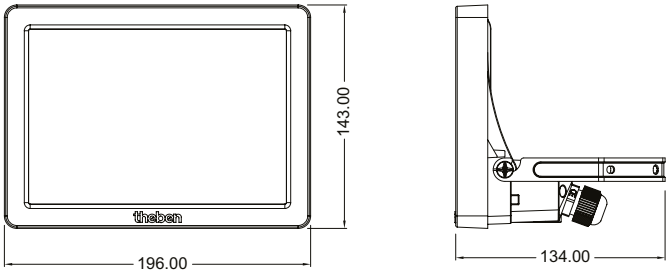
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theLeda B10/20 dual



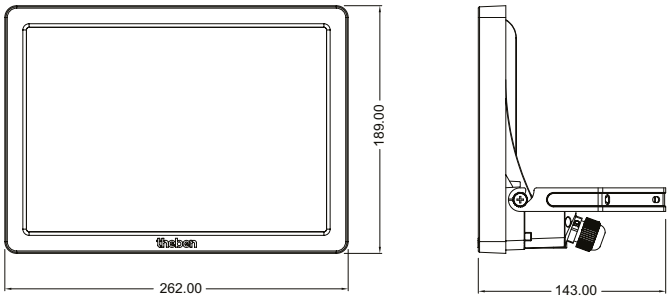
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theLeda B30/50 dual



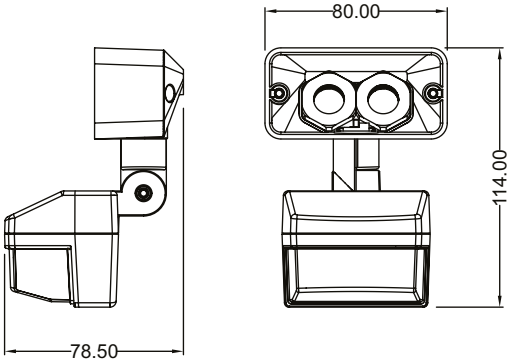
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theLeda B100 dual



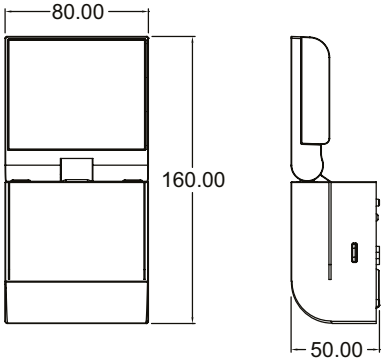
Reference: 1020678, 1020679

theLeda B sensor



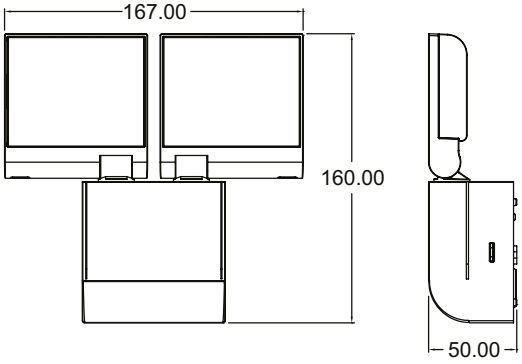
Reference: 9080041, 9080042

theLeda S8



Reference: 1020600, 1020601, 1020800, 1020801

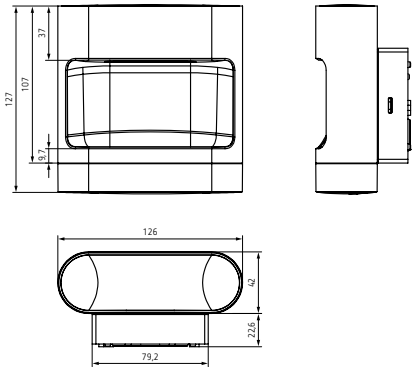
theLeda S17



Reference: 1020602, 1020603, 1020802, 1020803

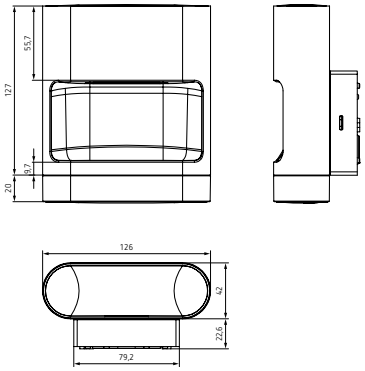
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theLeda D S



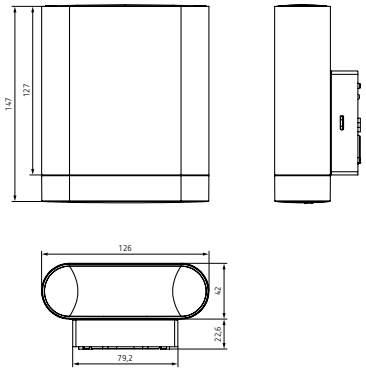
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theLeda D SU



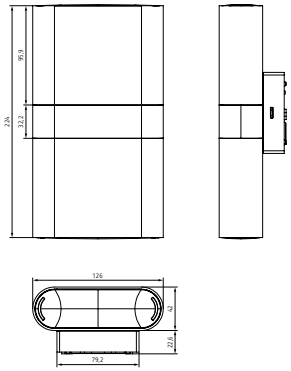
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theLeda D U



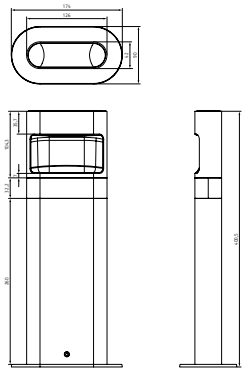
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theLeda D UD



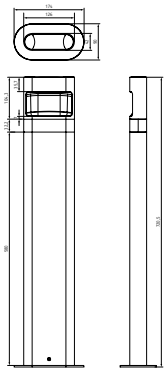
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theLeda D B



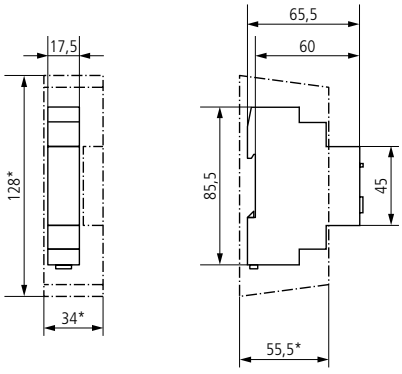
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theLeda D B plus



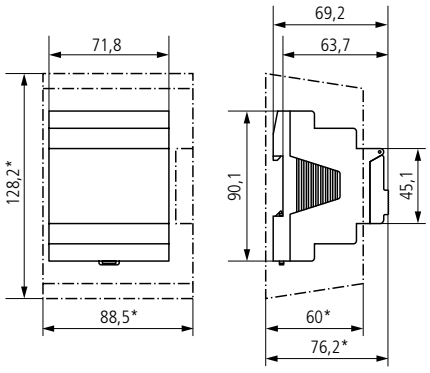
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Products 1 module



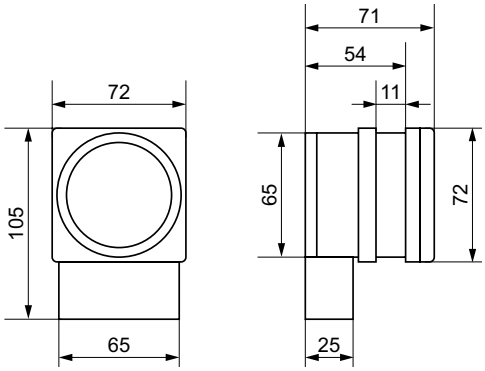
Reference: 0010002, 0030002, 0060003, 0070002, 1080900, 1080910, 1750100, 5320001, 5340001, 6080101, 6090101

Products 4 modules



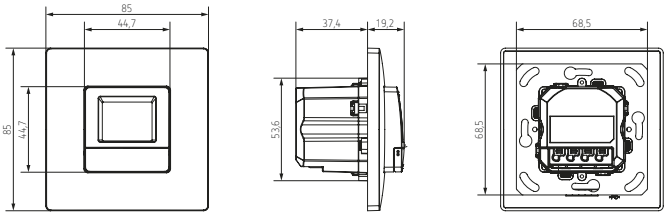
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TR 635/636 top2



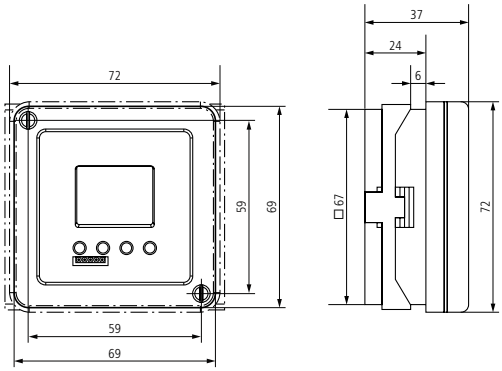
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TR/SELEKTA top3 UP



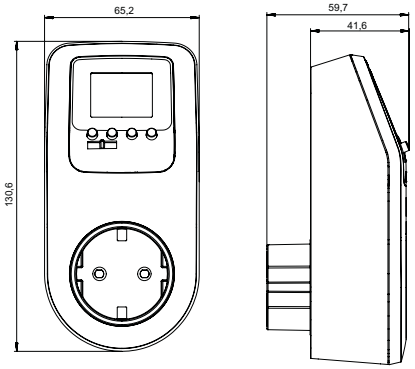
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TR 684 top2



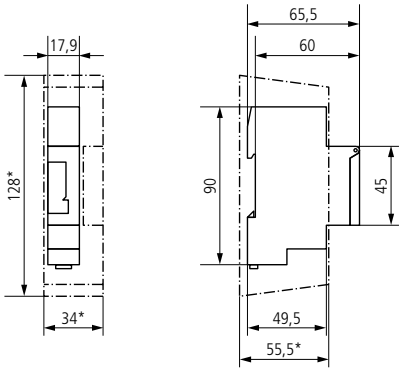
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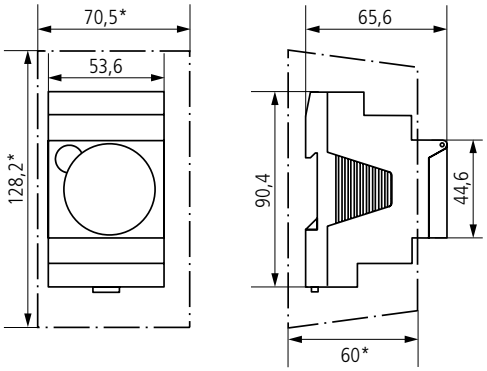
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Products 1 module



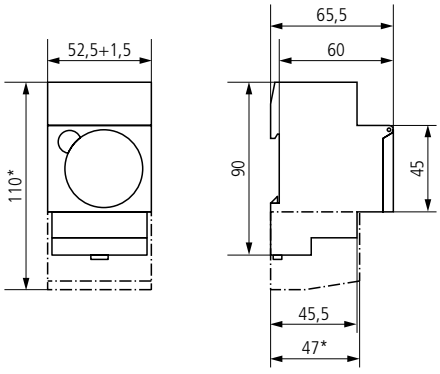
Reference: 1600001, 1800001, 1900001

Analog time switches 3 modules DuoFix



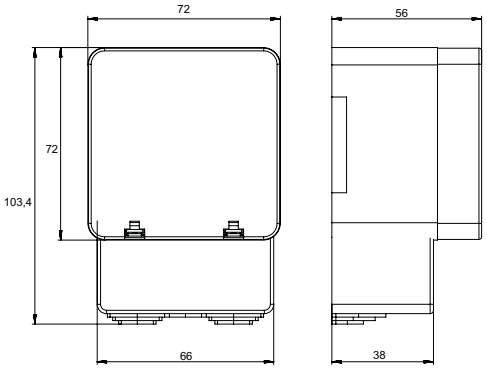
Reference: 1510011, 1610011, 1810011, 1814011, 1910011

Analog time switches 3 modules



Reference: 1880033, 1880108

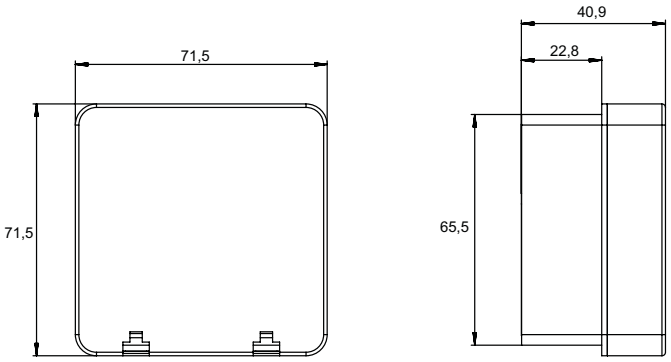
Analog flat module time switches - FM WM - Wall mounting



Reference: 1640200, 1840200

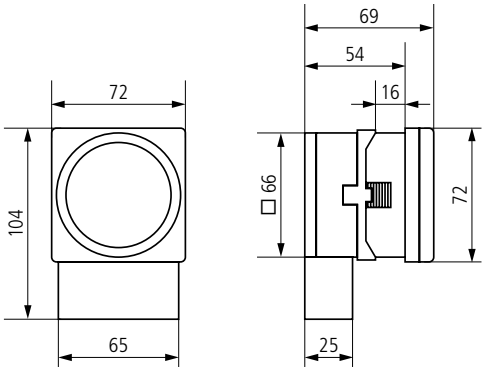
Technical appendix
Dimensional drawings

Analog flat module time switches - FME - Built-in



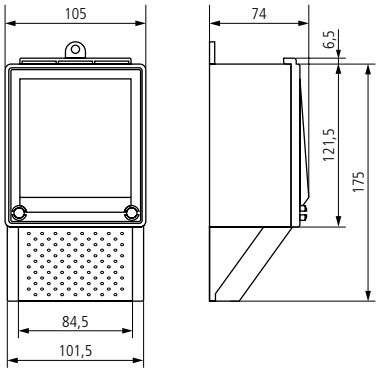
Reference: 1640300, 1840300

Analog time switches, wall mounting



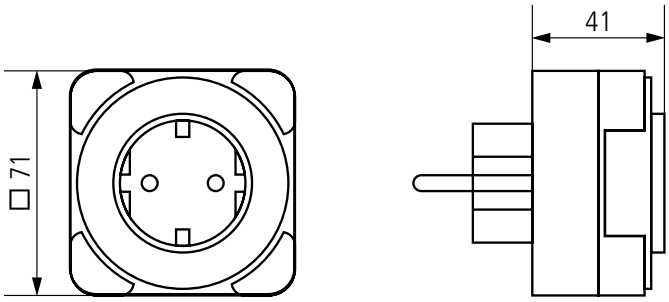
Reference: 1690801, 1790008, 1890108, 1890801, 1891801, 2690008, 2890008, 2890033

Analog time switches for wall mounting



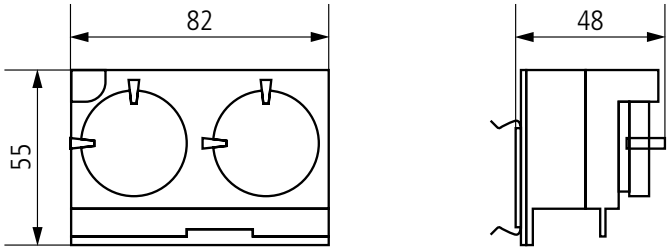
Reference: 2850033

Theben time switch



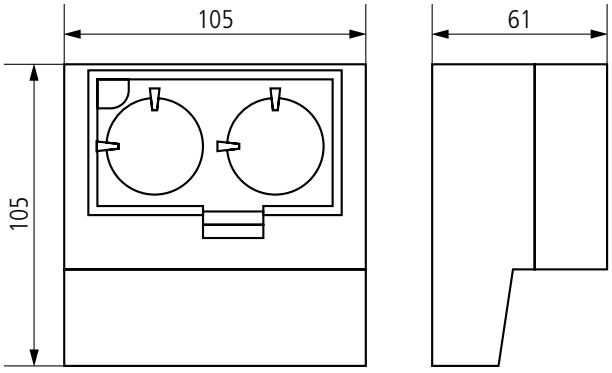
Reference: 0260030, 0260833, 0270930

FRI 77 h-2/g-2



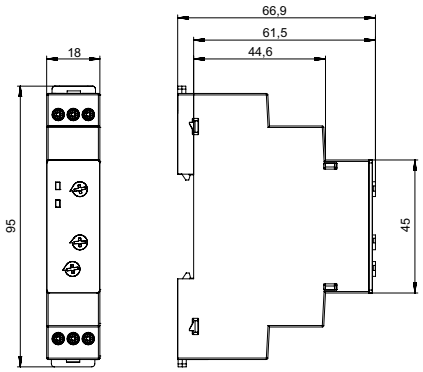
Reference: 0770802, 0770832

FRI 77 h/g



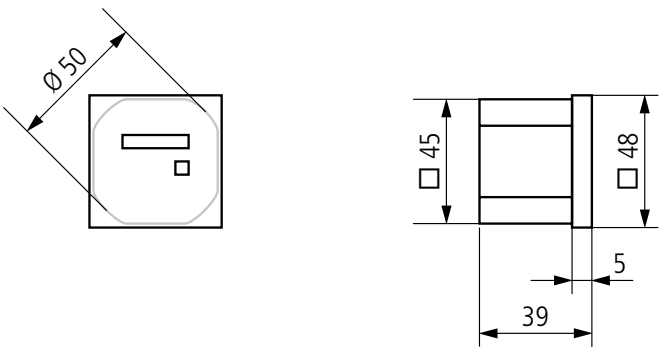
Reference: 0770033

TM 345 MF



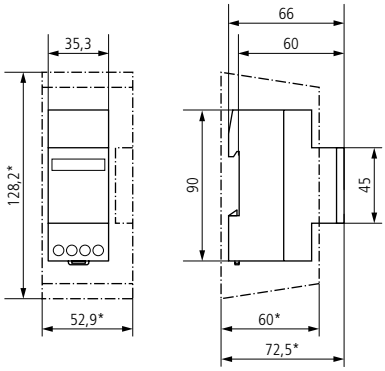
Reference: 3450733

BZ 142-1



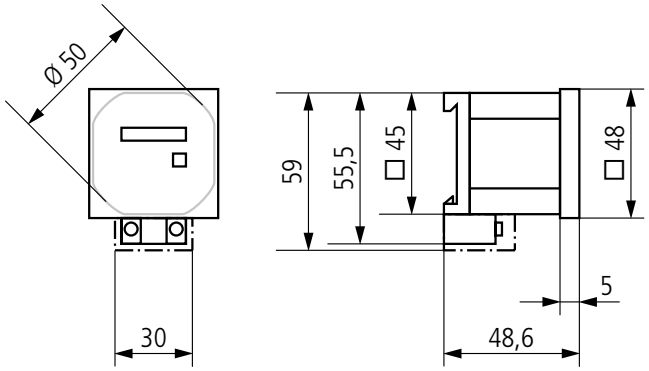
Reference: 1420621, 1420721, 1420821, 1424721

BZ 145



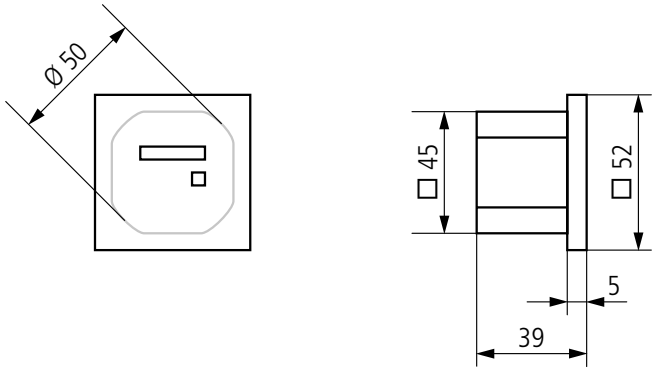
Reference: 1450000, 1459024, 1480000

BZZ 142-3



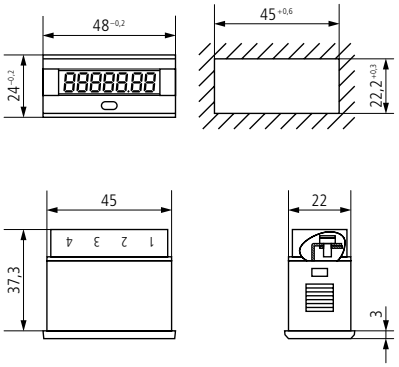
Reference: 1420723

BZ 143-1



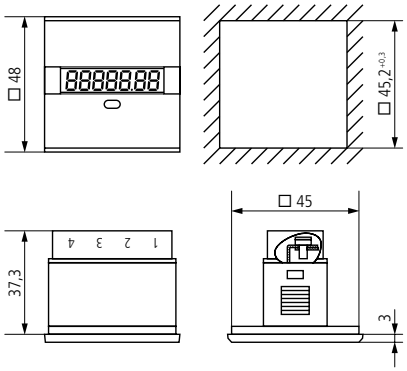
Reference: 1430721

BZ 146



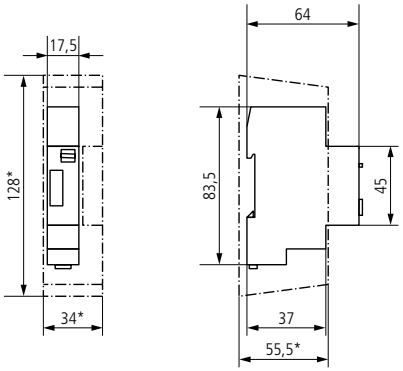
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BZ 147



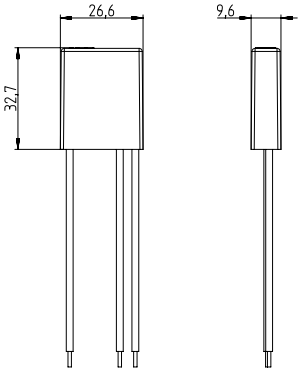
Reference: 1470000

Products 1 module



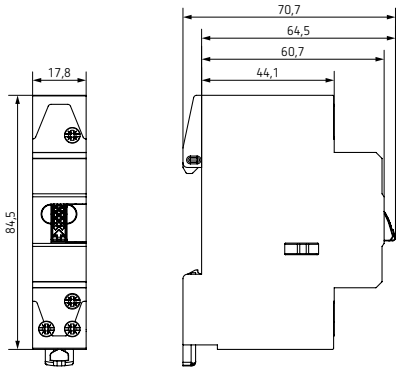
Reference: 0080002, 0090001

OKTO 540 BN/DIMAX 540 APP B



Reference: 5400030, 5400230

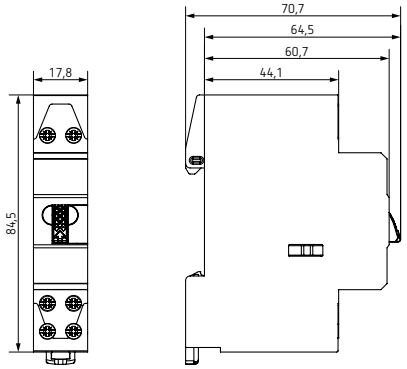
OKTO S12-230



Reference: 3120120

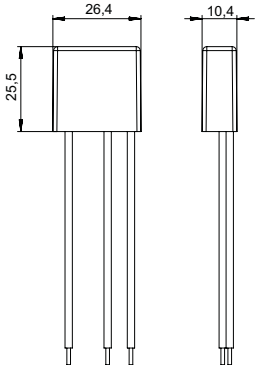
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OKTO S22-230



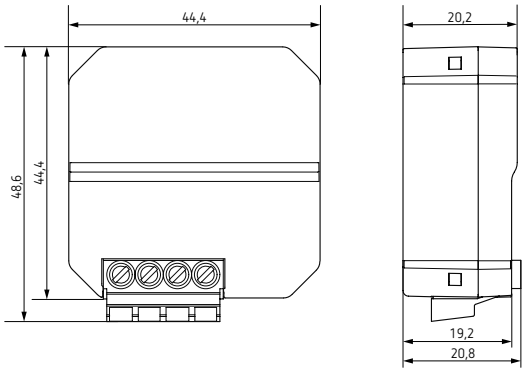
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DIMAX 540 plus B



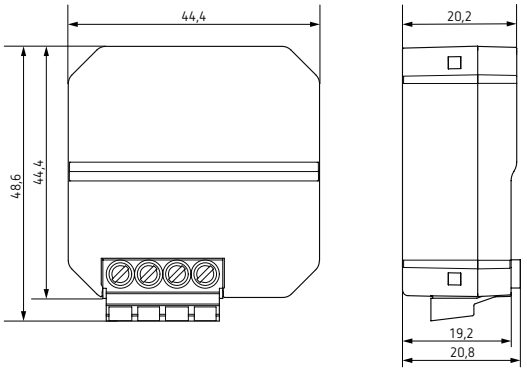
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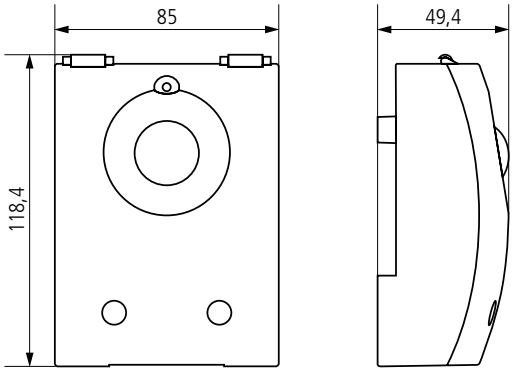
Reference: 5410130, 5420130

DIMAX 545 plus



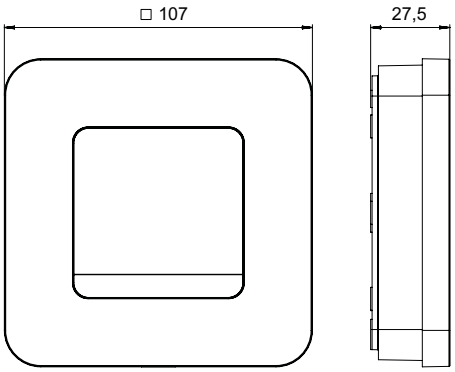
Reference: 5450130

LUNA star



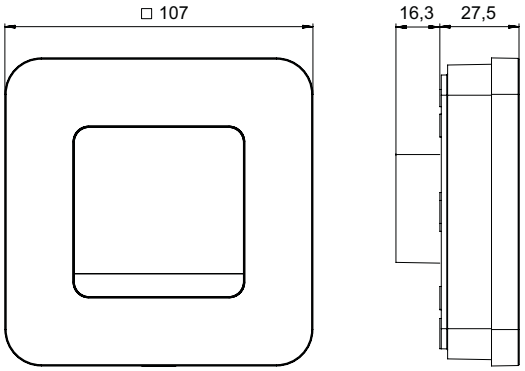
Reference: 1260900, 1260910, 1270900

RAMSES top3



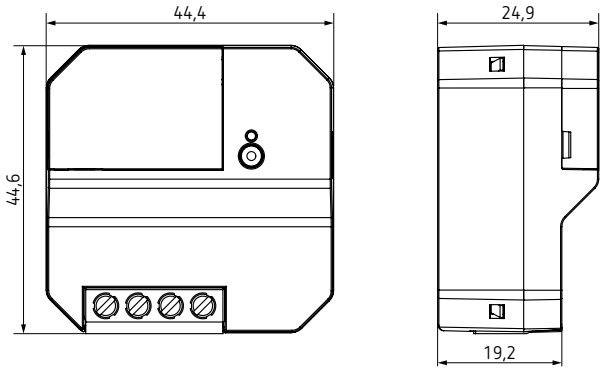
Reference: 8119200, 8120200, 8139201, 8509200

RAMSES top3



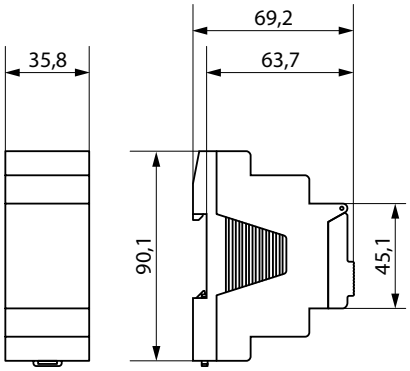
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RAMSES 814 BLE UP



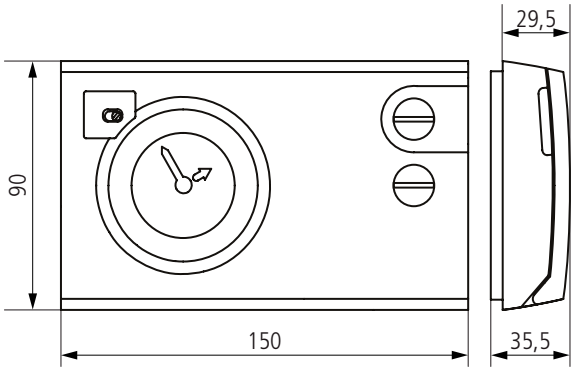
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RAMSES 366/1 top2



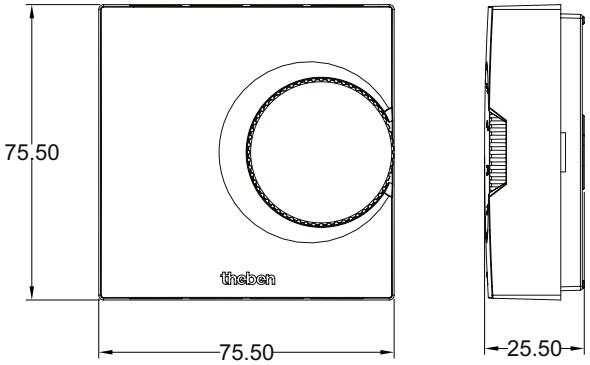
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RAMSES 72x/784



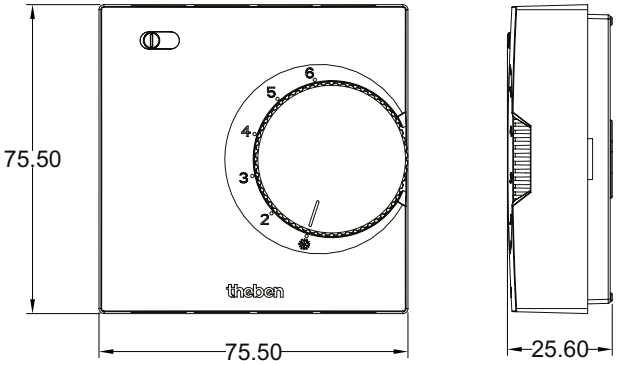
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RAMSES 701/703 S



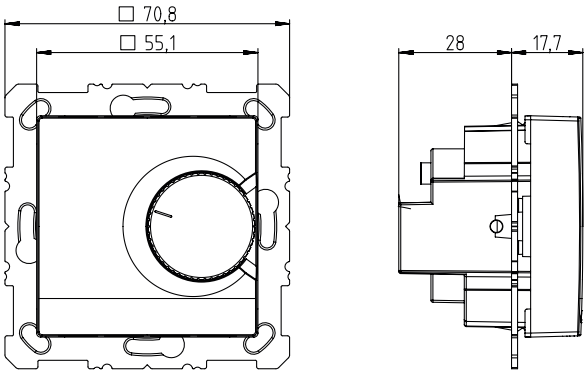
Reference: 7010003, 7030003

RAMSES 706/708 S



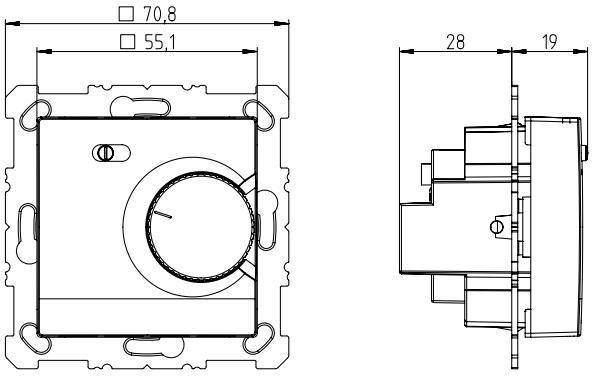
Reference: 7060003, 7080003

RAMSES 741 S



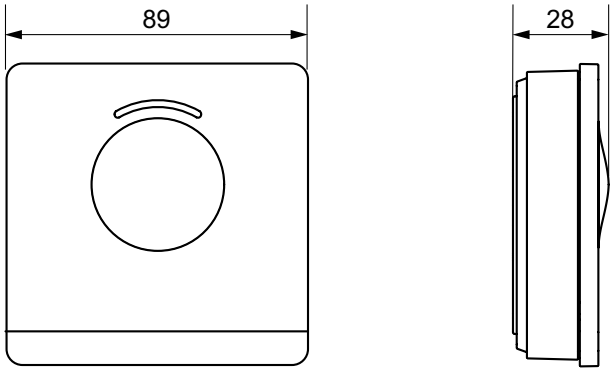
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RAMSES 746/748 S



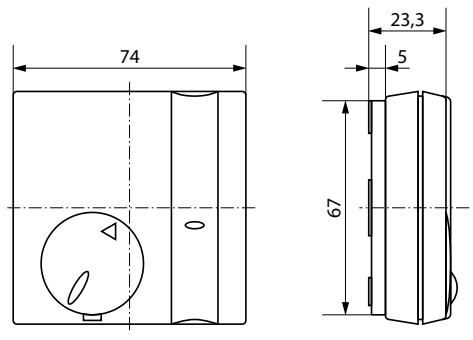
Reference: 7460300, 7480300

AMUN 716 SO



Reference: 7160820

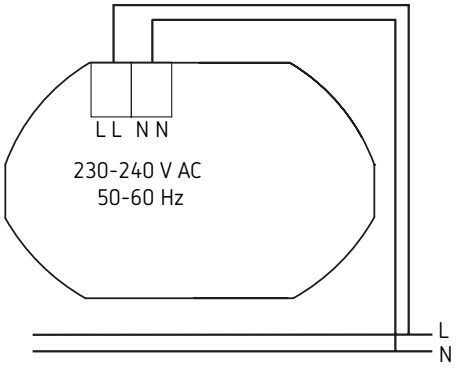
RAMSES 714/SOTHIS 715



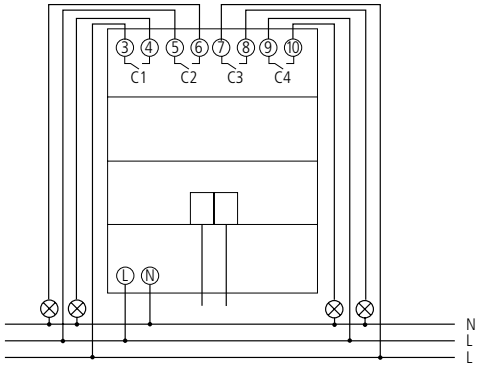
Reference: 7150002

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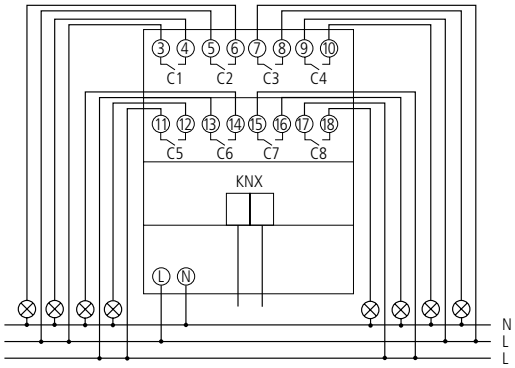
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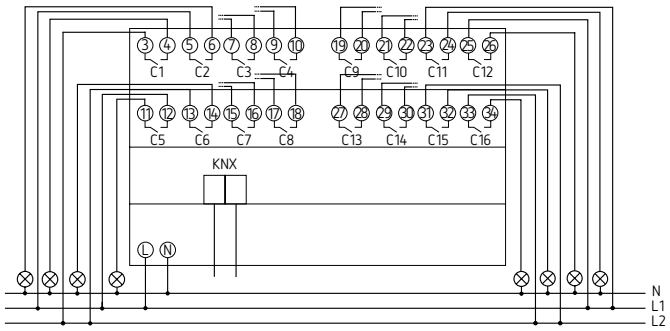
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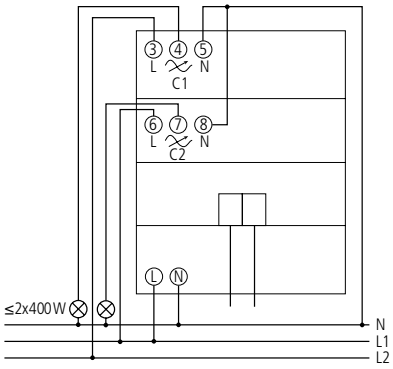
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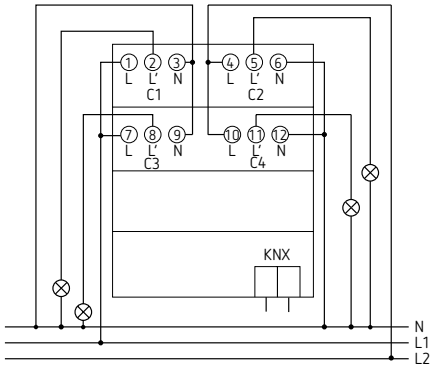
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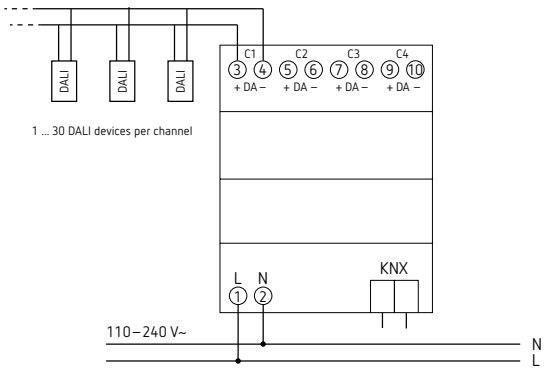
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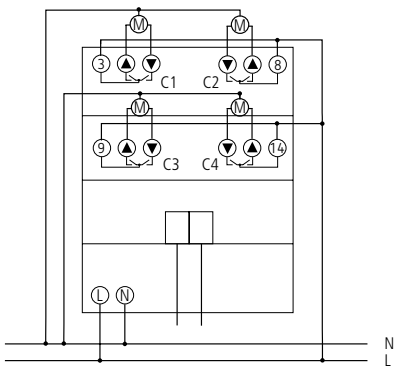
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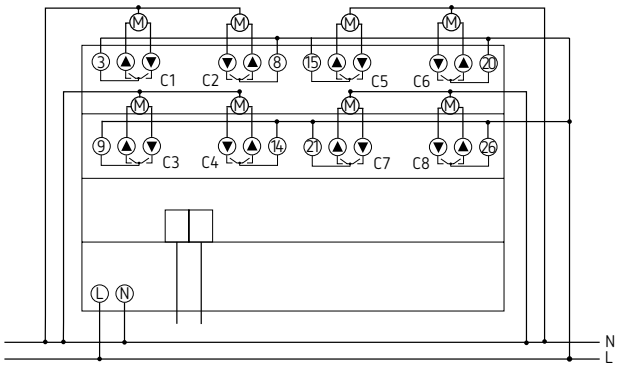
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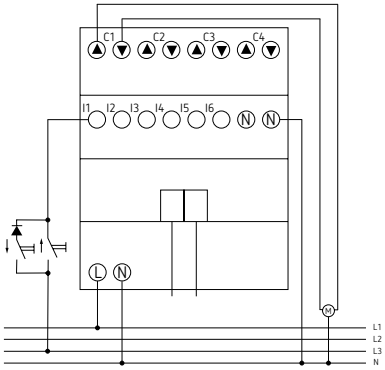
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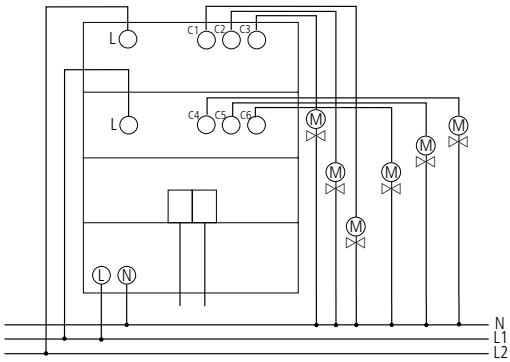
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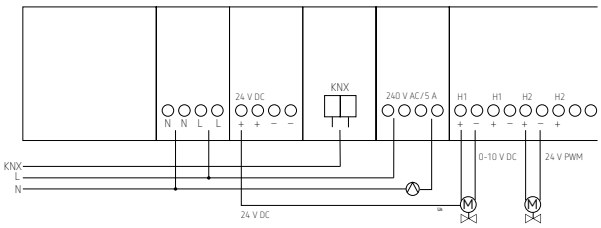
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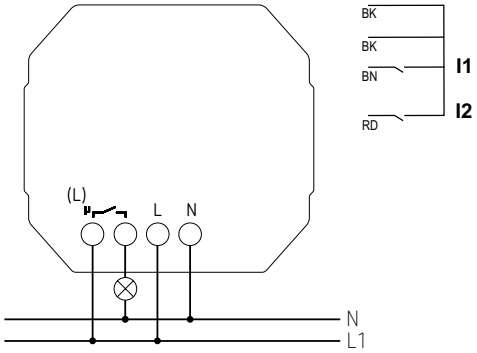
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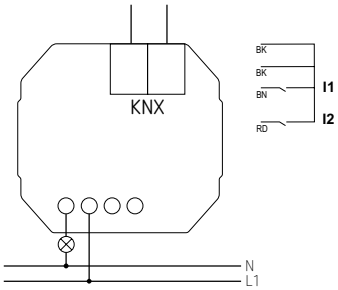
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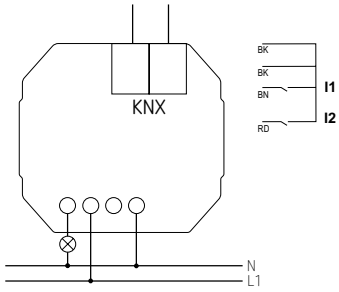
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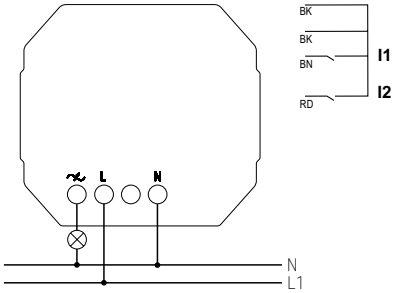
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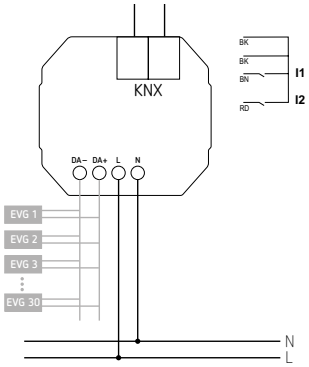


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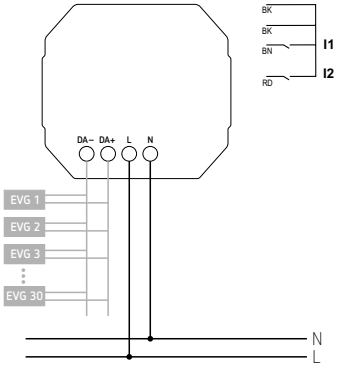


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Connection diagrams

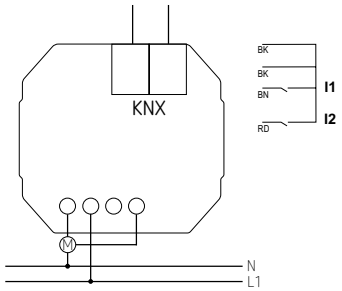
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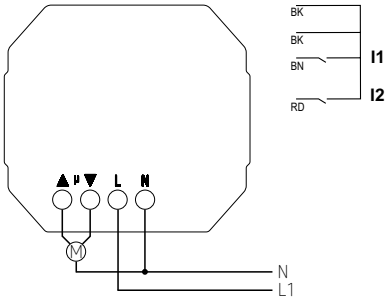
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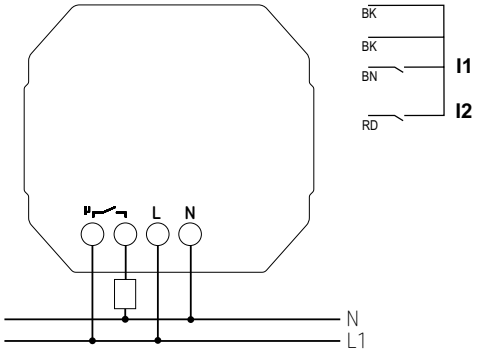
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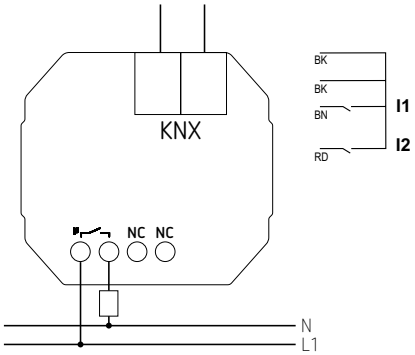
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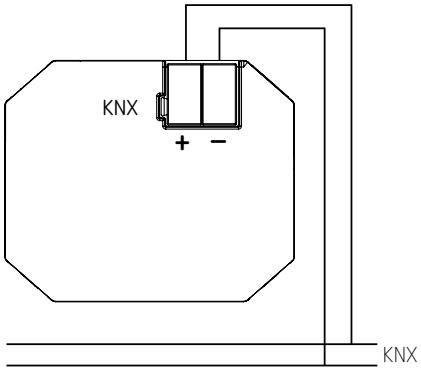
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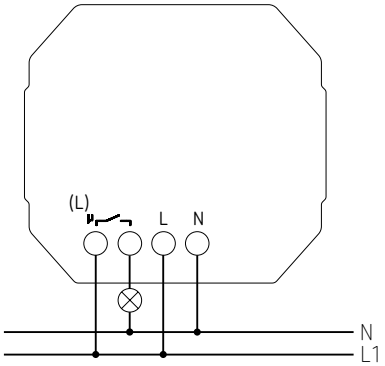
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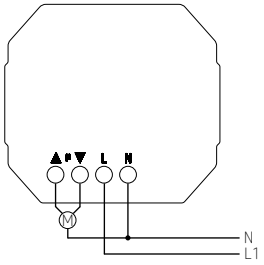
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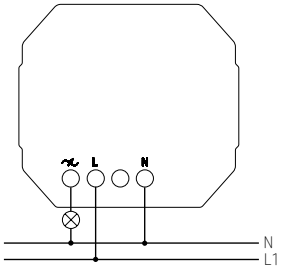
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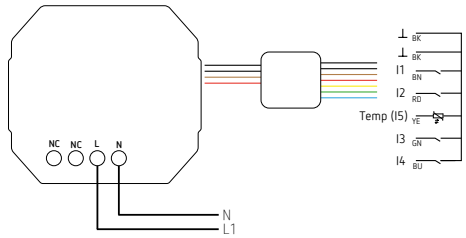
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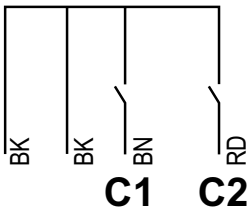
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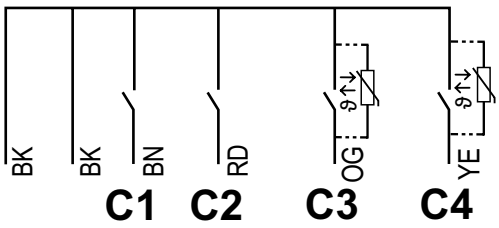
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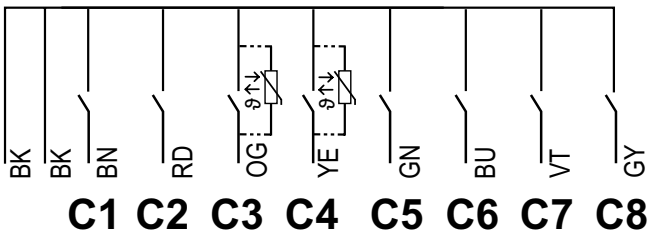
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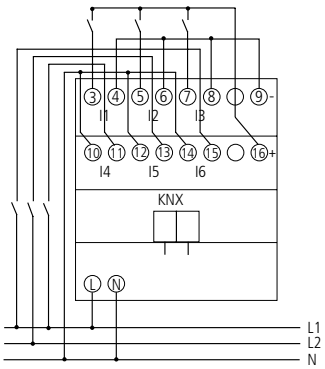
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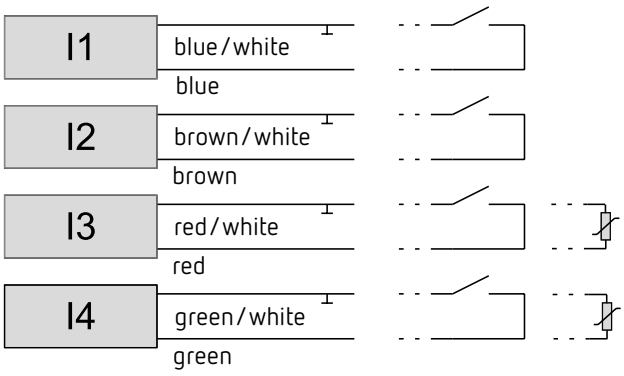
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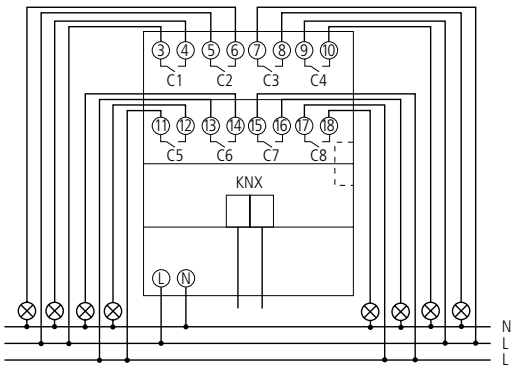
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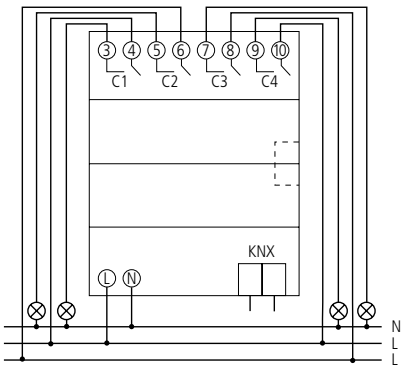
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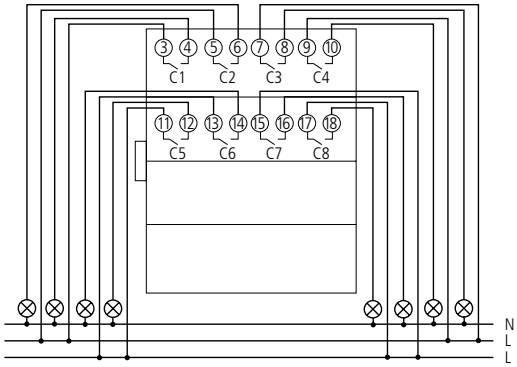


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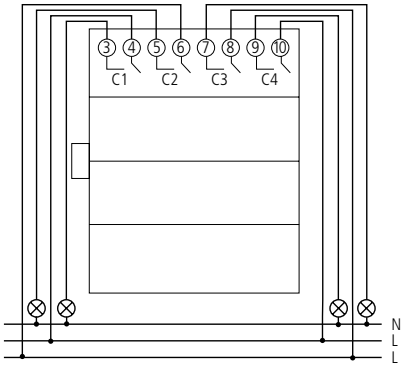


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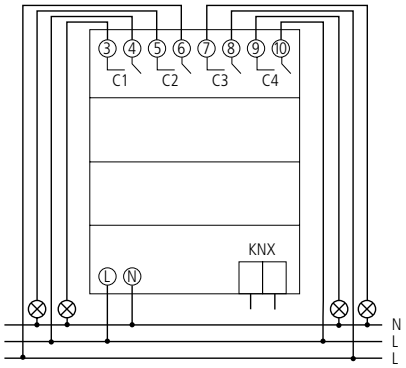
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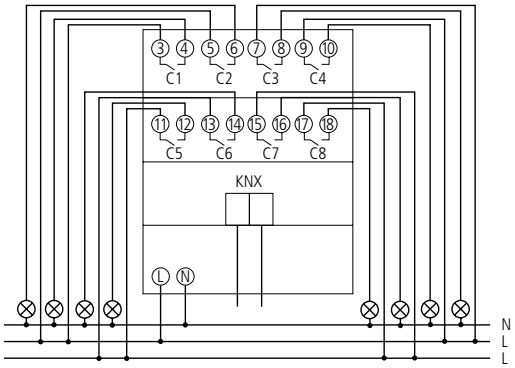
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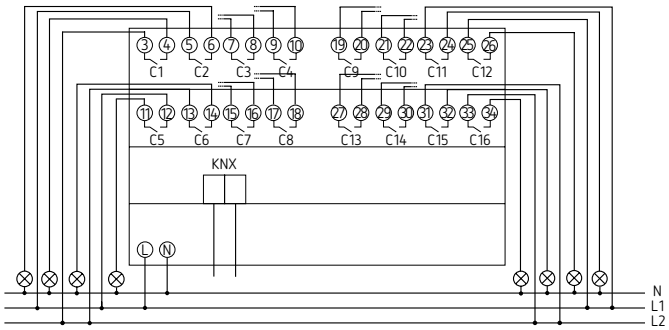
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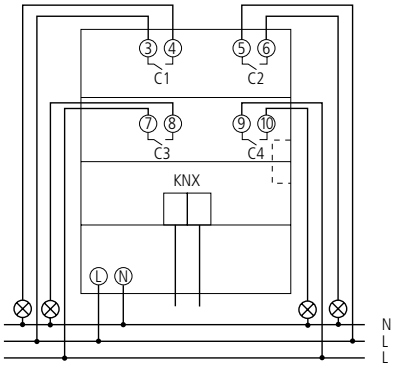
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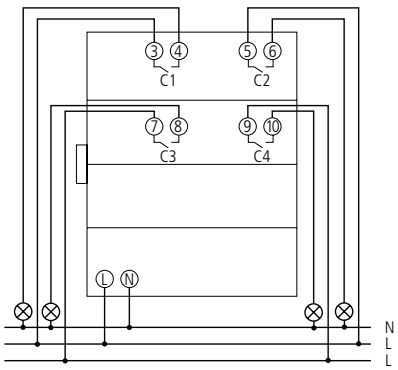
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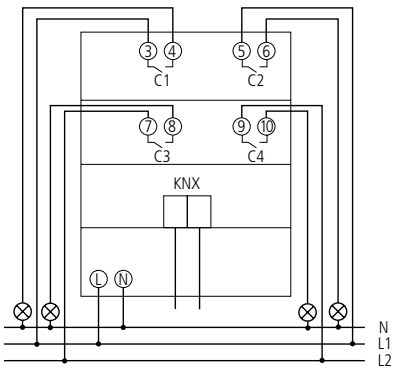
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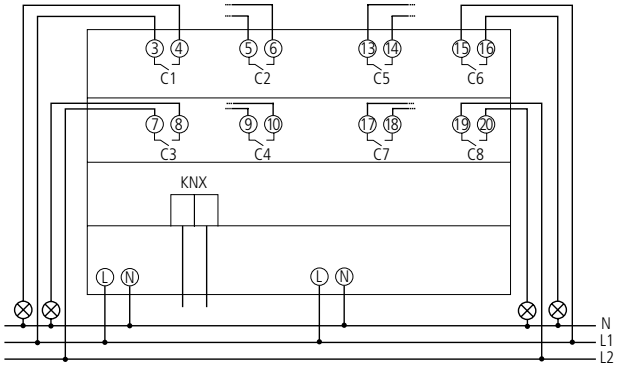
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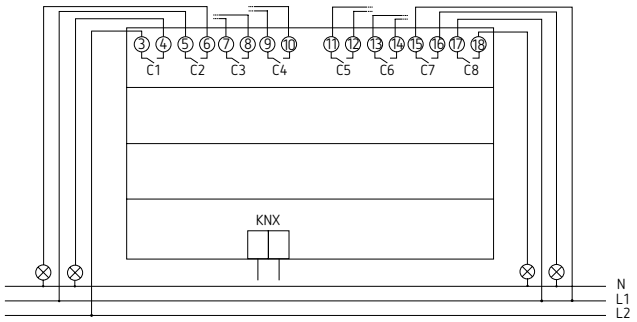
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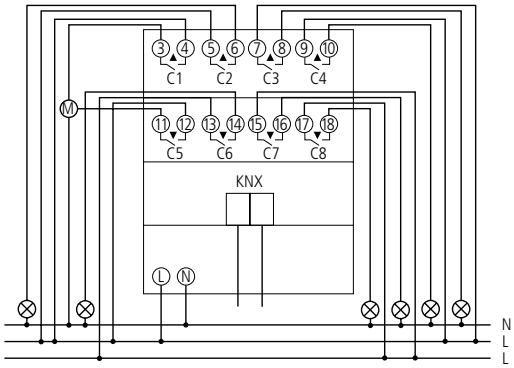
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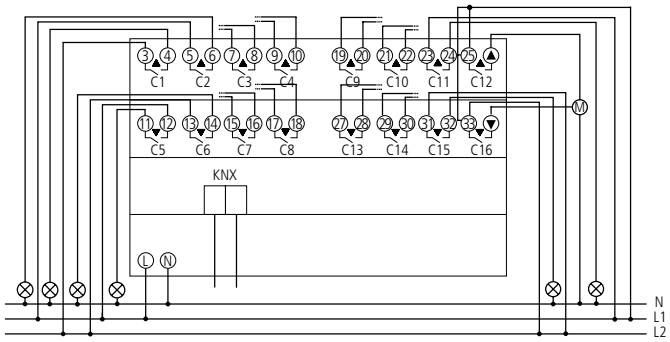
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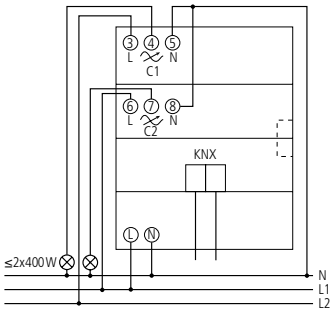
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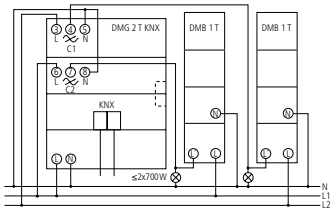


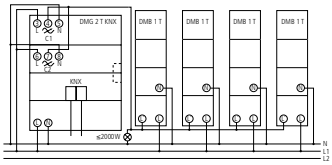
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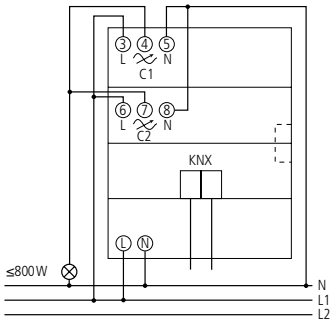


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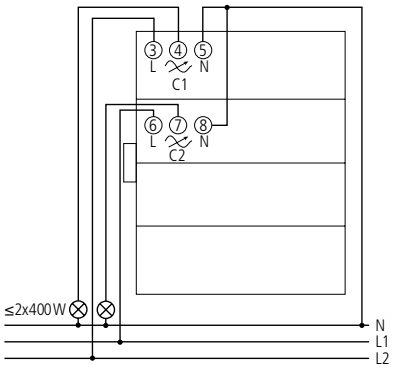


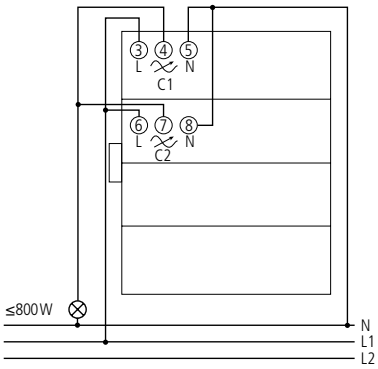






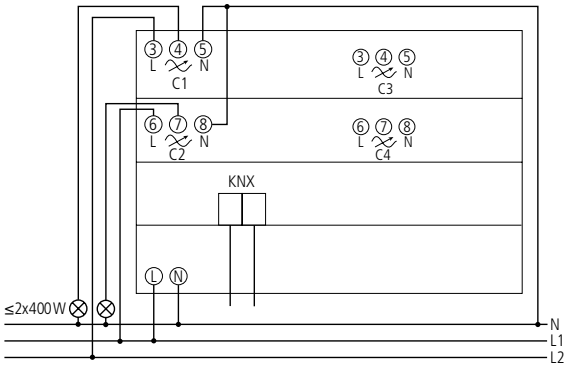
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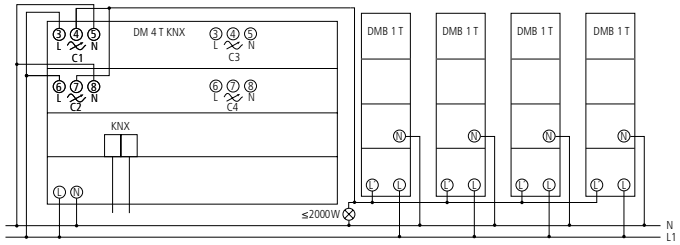




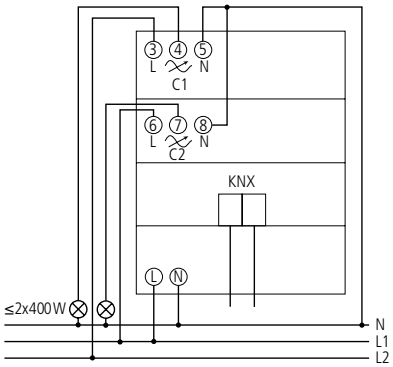
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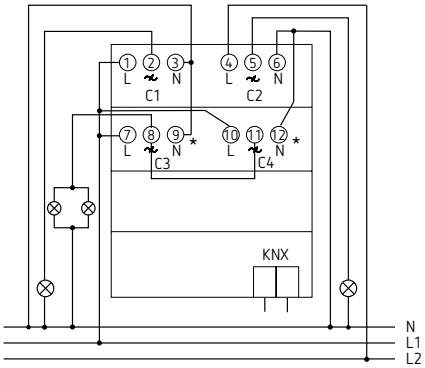




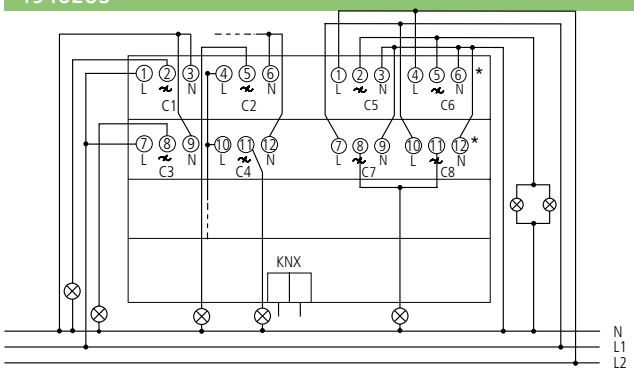
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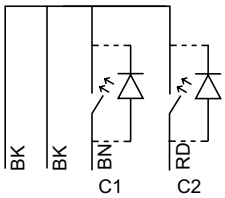
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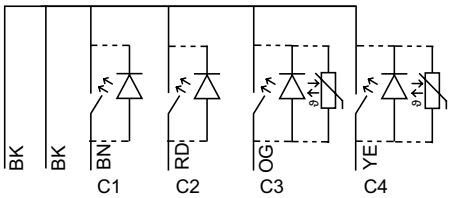
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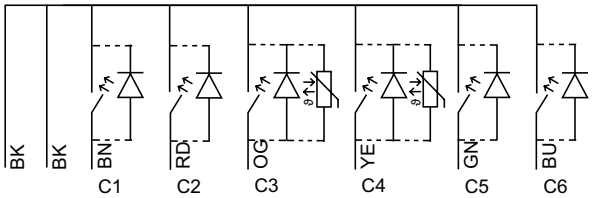
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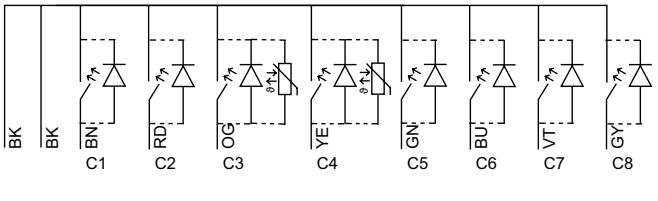
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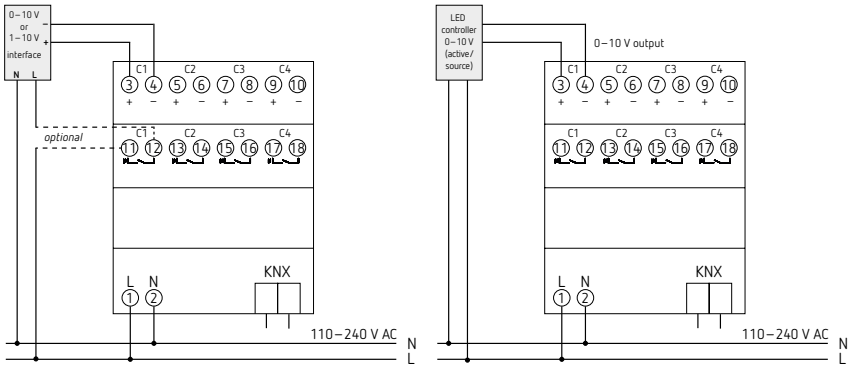
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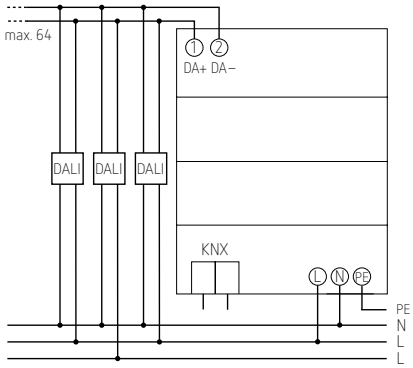
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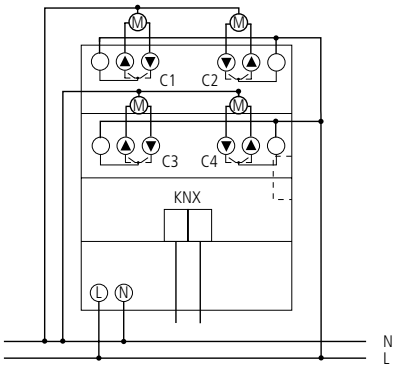
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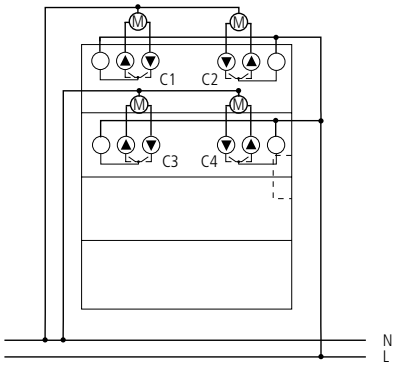
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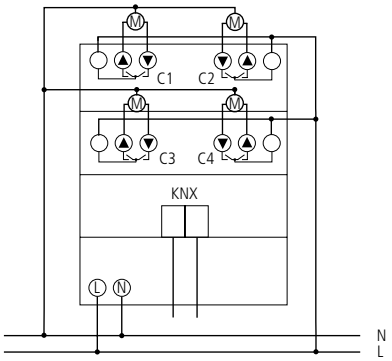
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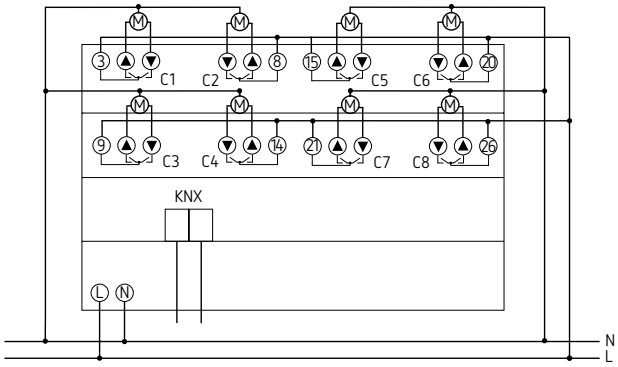
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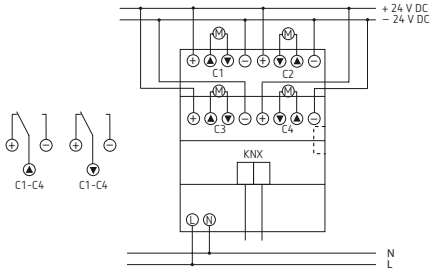
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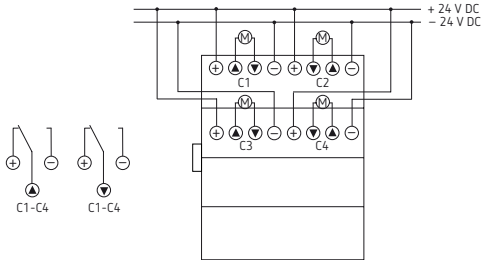


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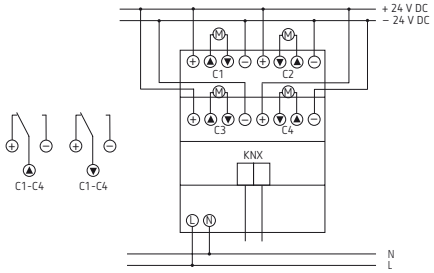


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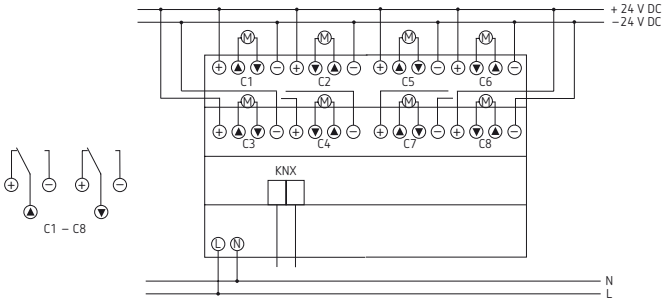
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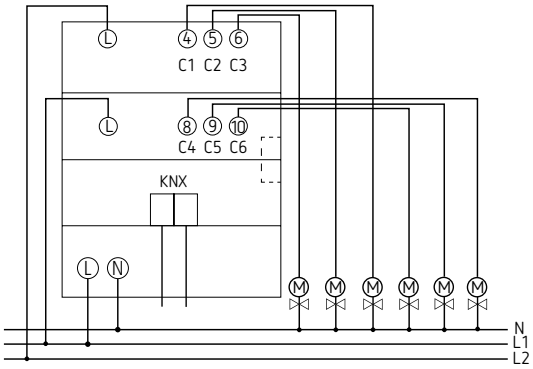
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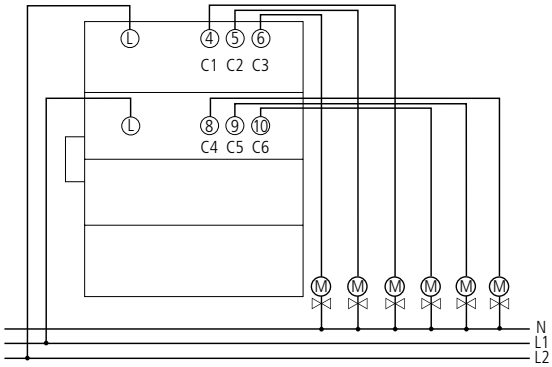
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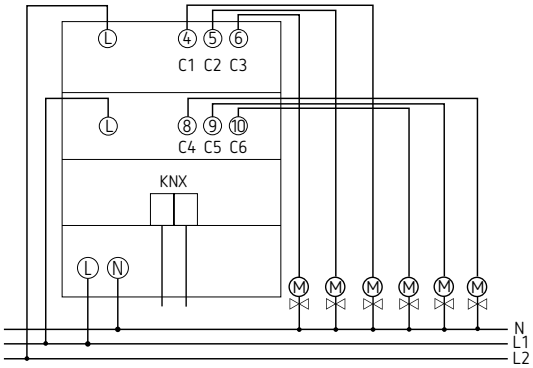
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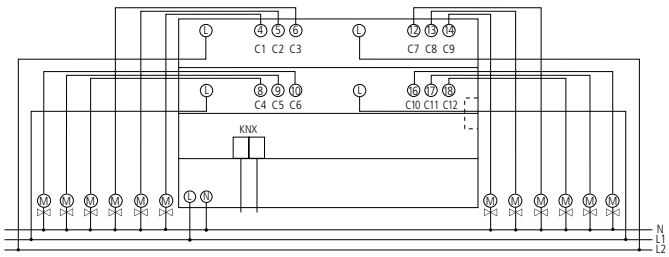
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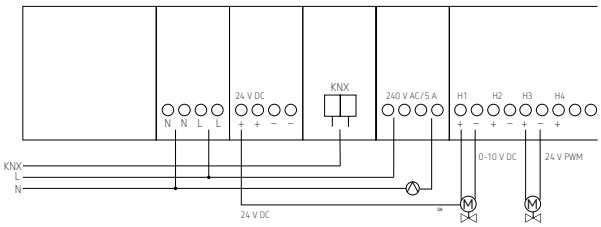
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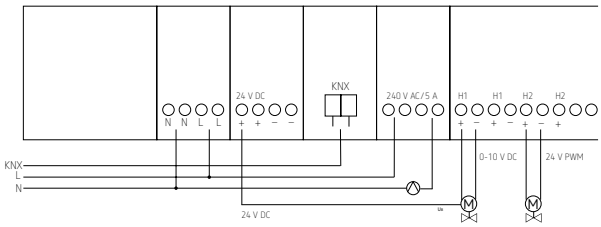
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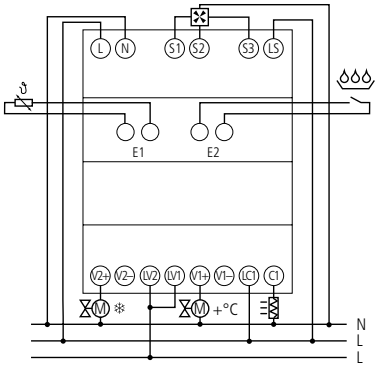
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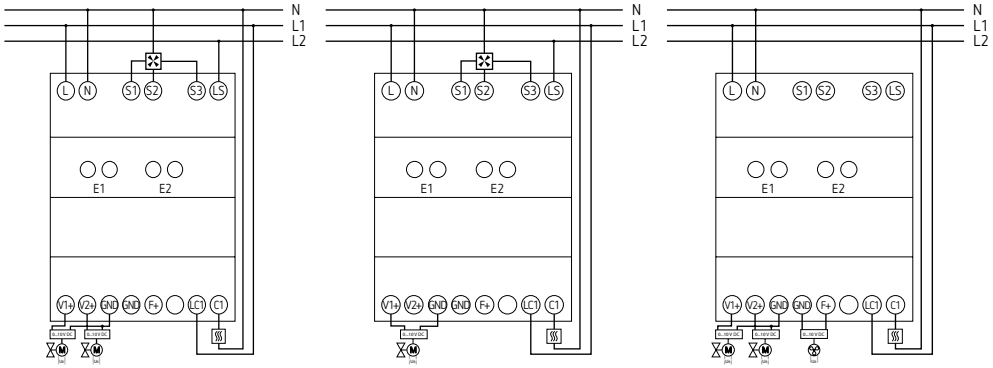
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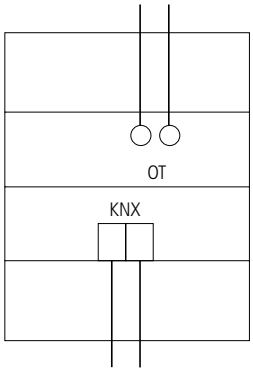
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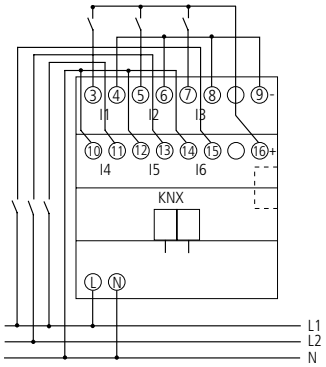
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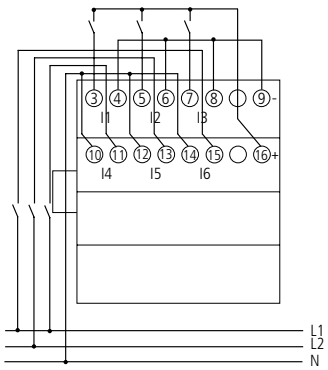
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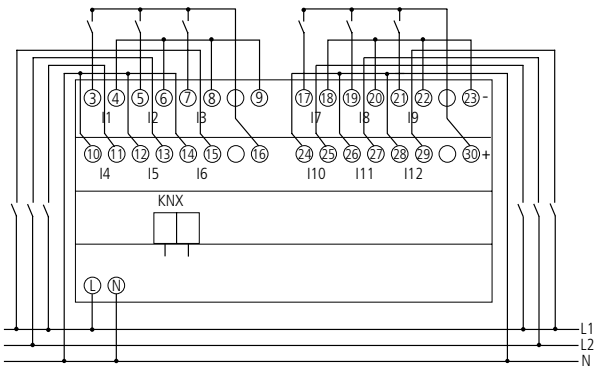
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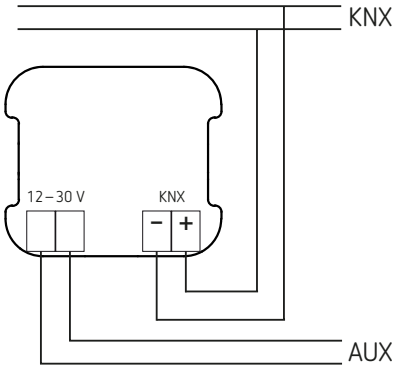


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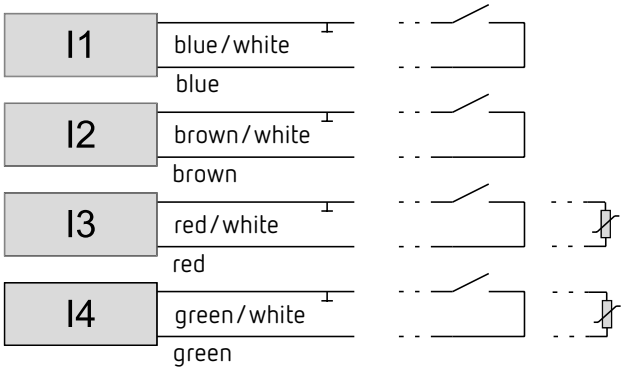


Technical appendix
Connection diagrams

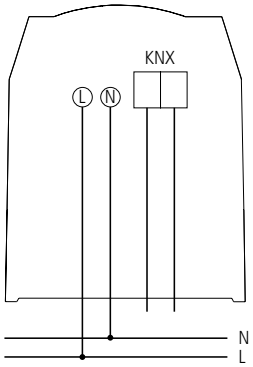
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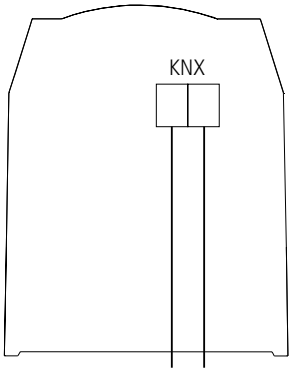
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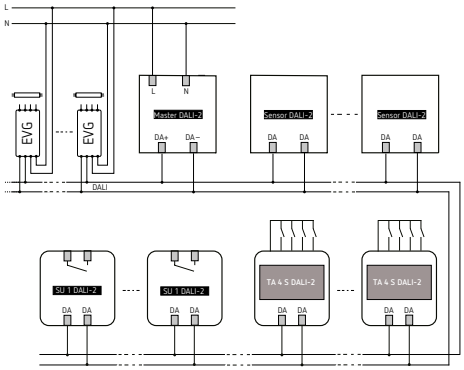
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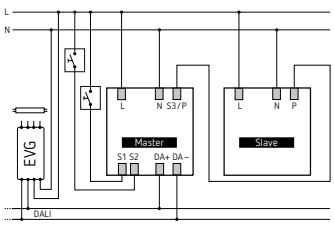
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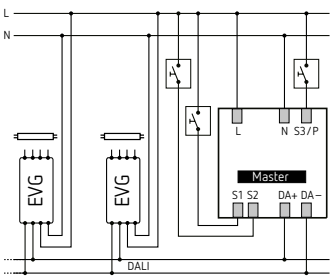


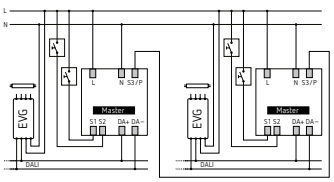
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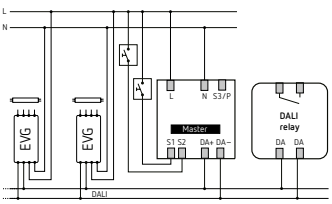


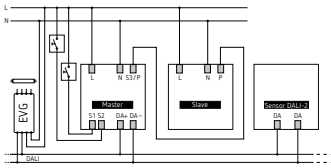
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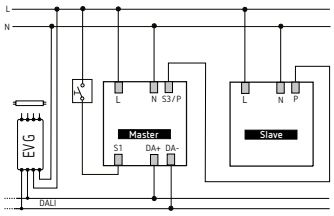


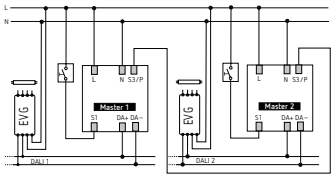




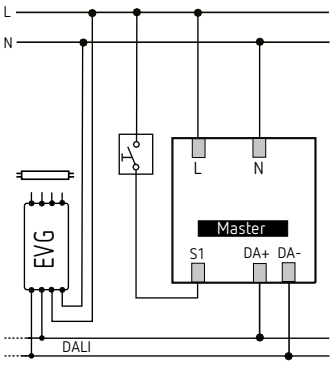
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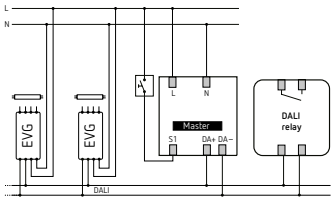
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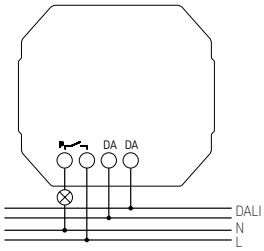


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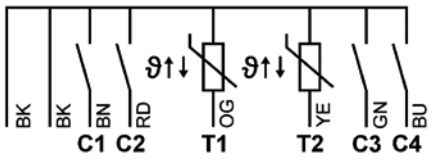




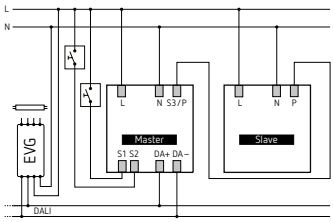
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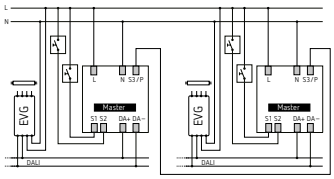


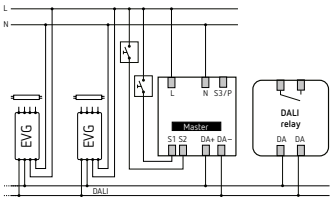
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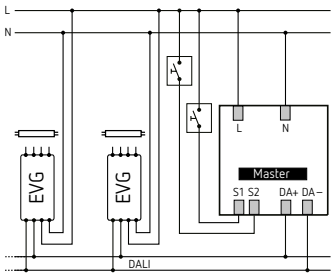


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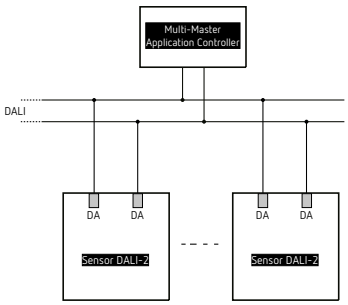




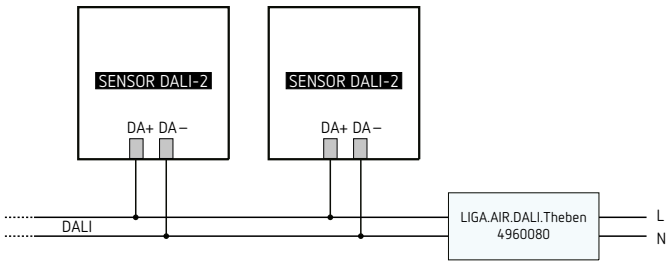


Extension: thePassa P360 Slave UP WH, 2010330

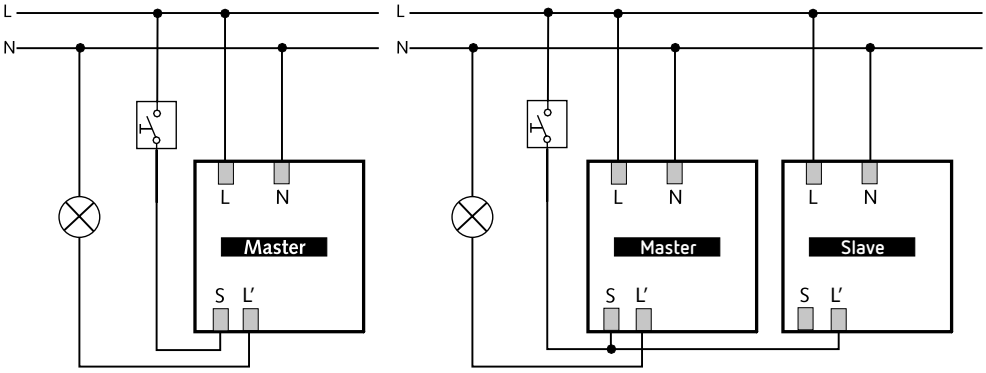
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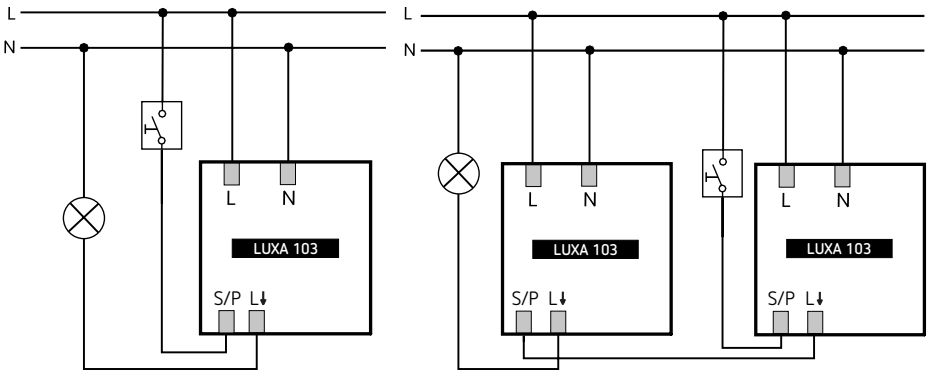
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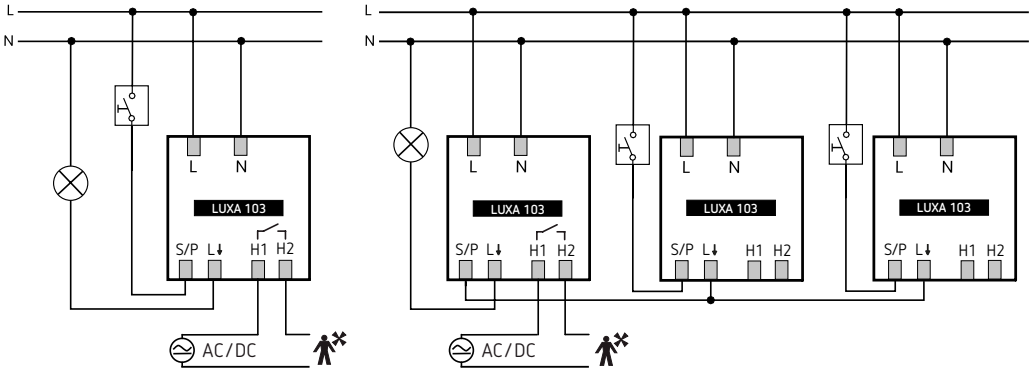
Extension (slave): thePiccola P360-100 DE WH, 2090200

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Connection diagrams

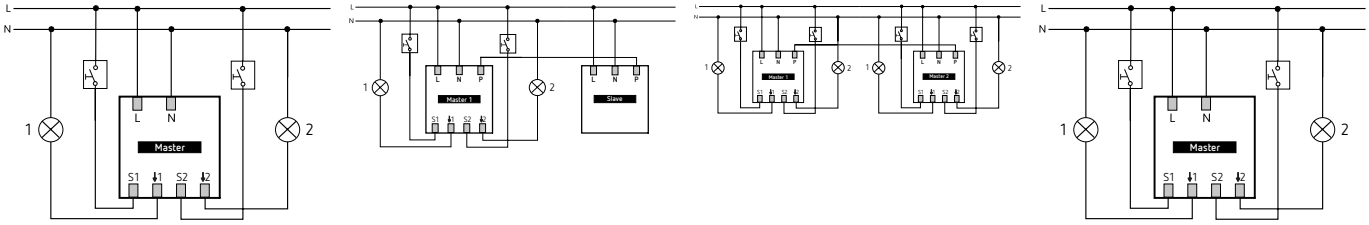
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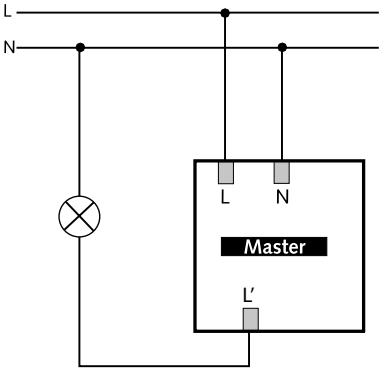


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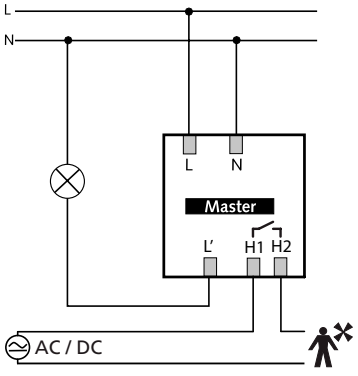


The following devices can be used as extensions:
- theRonda P360 Slave UP WH, 2080030, Ø 24 m
- LUXA 104 S360-200-24 DE-UP WH, 1040200, Ø 24 m
- theRonda S360 Slave UP WH, 2080530, Ø 8 m
- thePassa P360 Slave UP WH, 2010330, 30 x 4.5 m
- thePrema S360 Slave E UP WH, 2070630, 7 x 7 m
- thePrema P360 Slave E UP WH, 2070130, 9 x 9 m

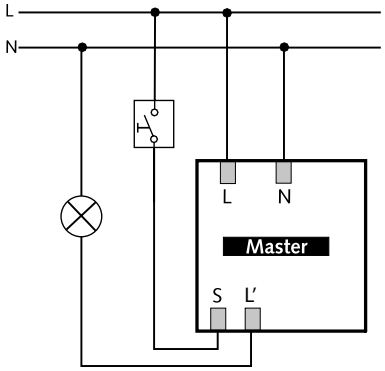
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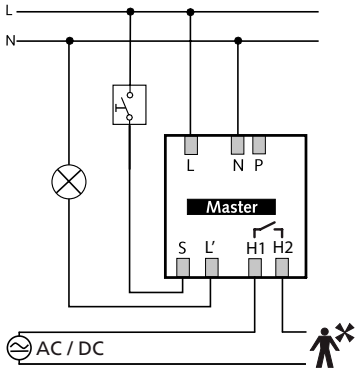
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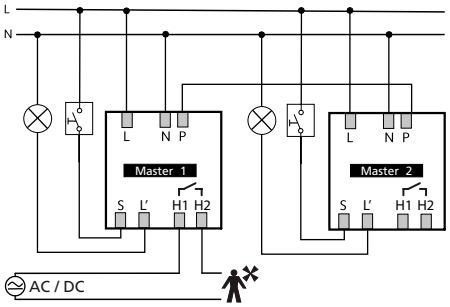


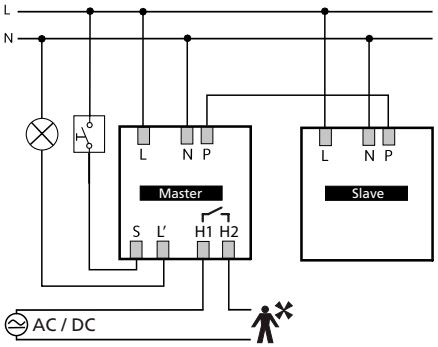
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2070105, 2070106, 2070107, 2070605, 2070606, 2070607, 2080025, 2080525

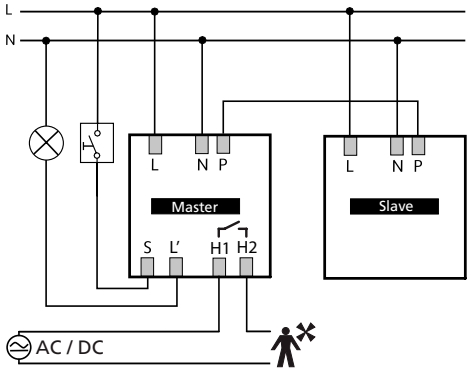




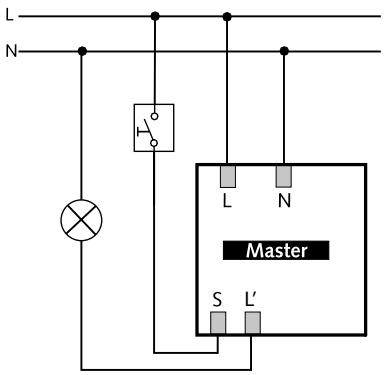


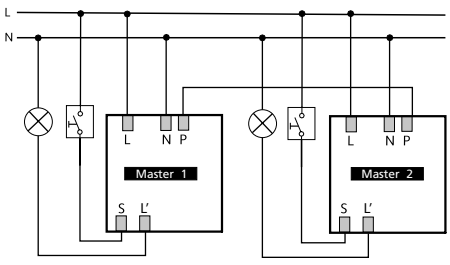
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Extension for 2070105: thePrema P360 Slave E UP WH, 2070130
Extension for 2070106: thePrema P360 Slave E UP GR, 2070131
Extension for 2070107: thePrema P360 Slave E UP BK, 2070132
Extension for 2070605: thePrema S360 Slave E UP WH, 2070630
Extension for 2070606: thePrema S360 Slave E UP GR, 2070631
Extension for 2070607: thePrema S360 Slave E UP BK, 2070632
Extension for 2080025: theRonda P360 Slave UP WH, 2080030
Extension for 2080525: theRonda S360 Slave UP WH, 2080530

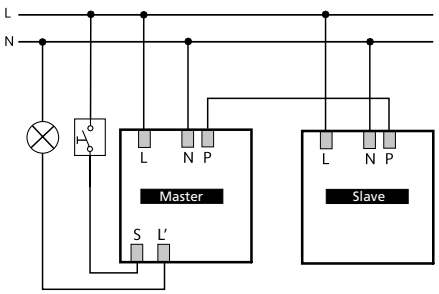
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2070600, 2070601, 2070602, 2080020



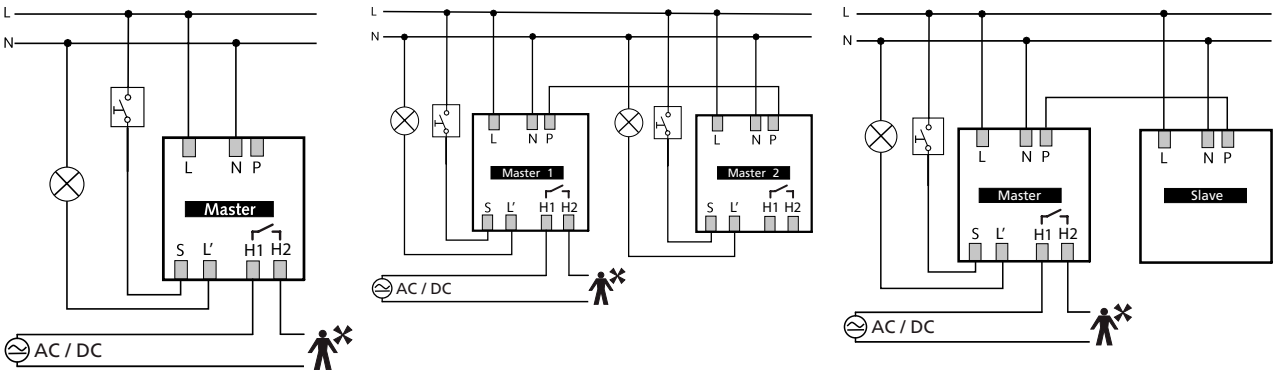




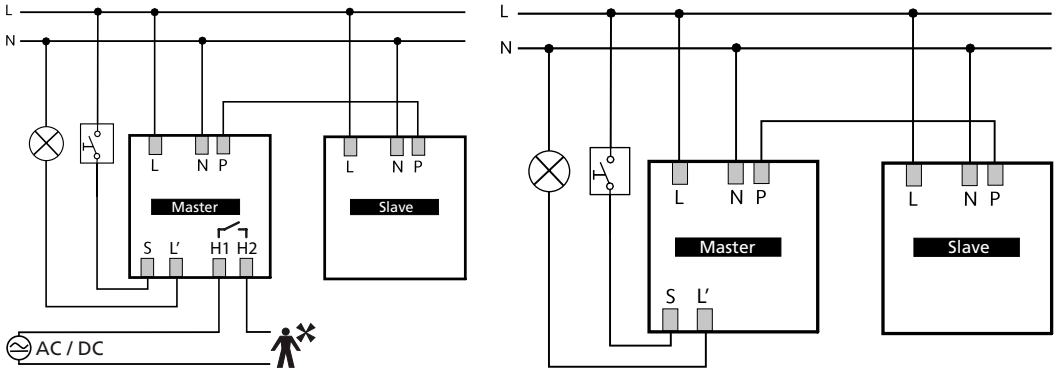
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Extension for 2070601: thePrema S360 Slave E UP GR, 2070631
Extension for 2070602: thePrema S360 Slave E UP BK, 2070632
Extension for 2080020: theRonda P360 Slave UP WH, 2080030

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Connection diagrams

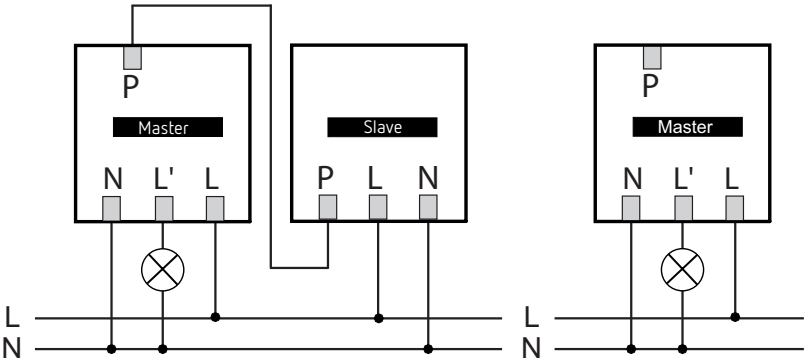
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2070130, 2070131, 2070132, 2070630, 2070631, 2070632

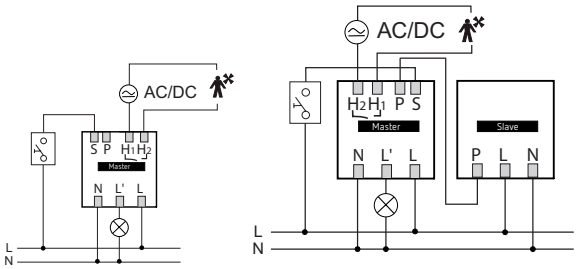


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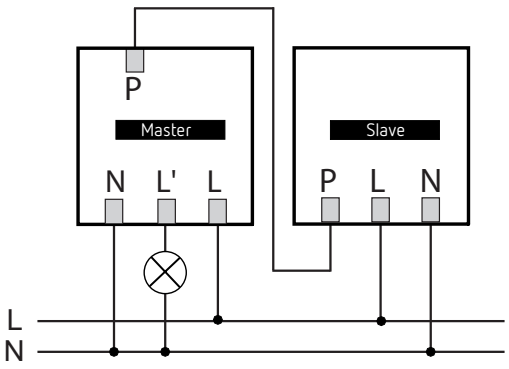
Extension (slave): theMura S180 Slave UP WH, 2060660
theMura S180 Slave B UP - 2060760

2060655, 2060658, 2060755

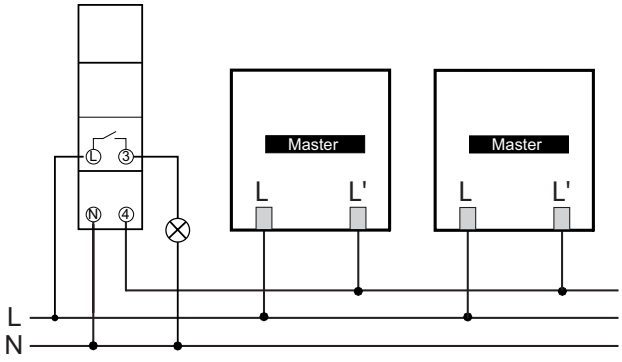


Extension (slave): theMura S180 Slave UP WH, 2060660
theMura S180 Slave B UP - 2060760

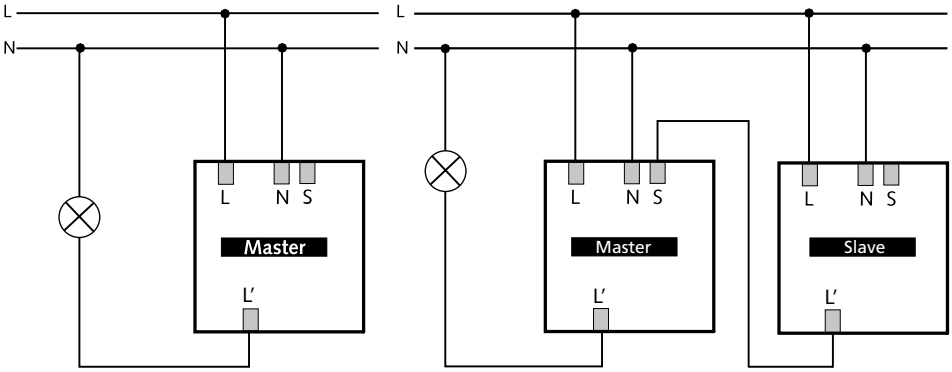
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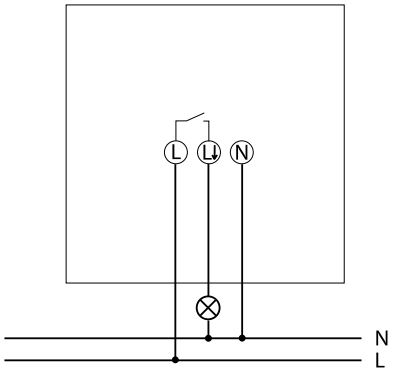


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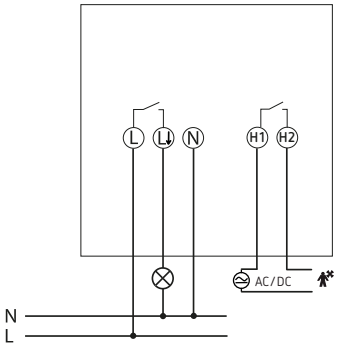


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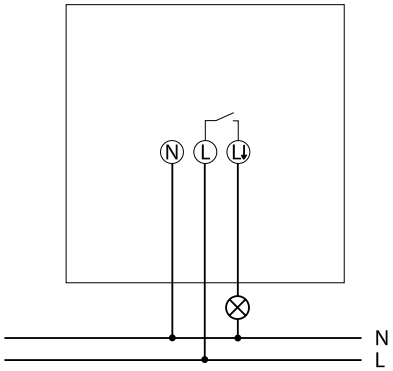
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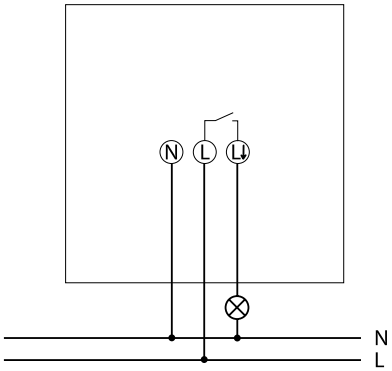
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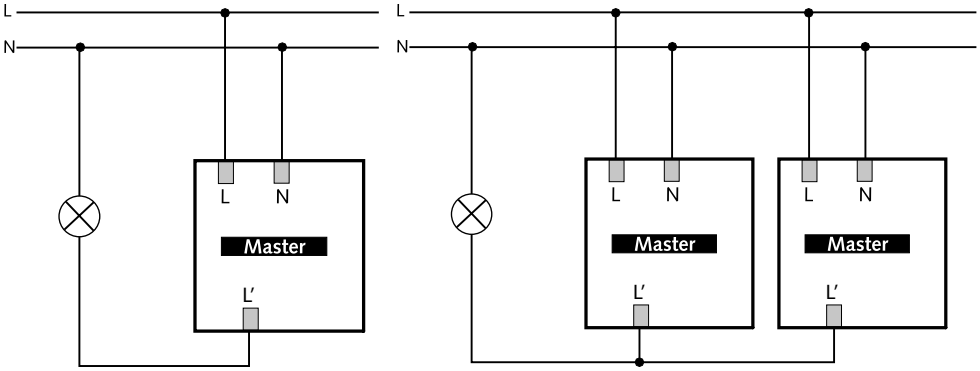


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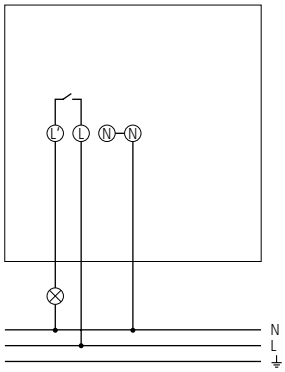


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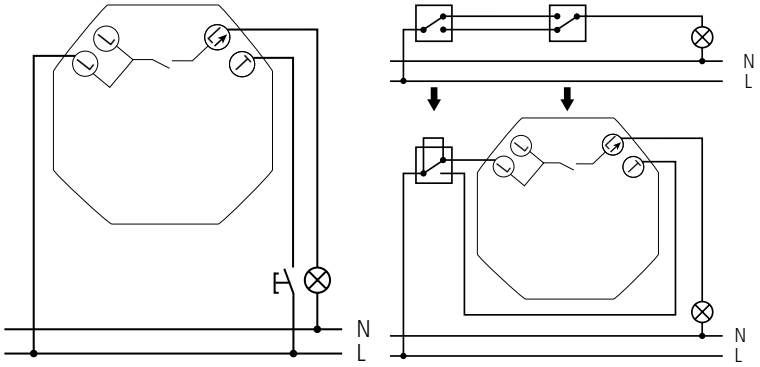
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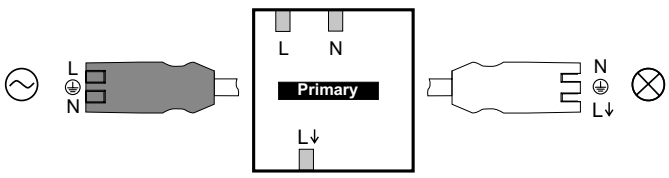
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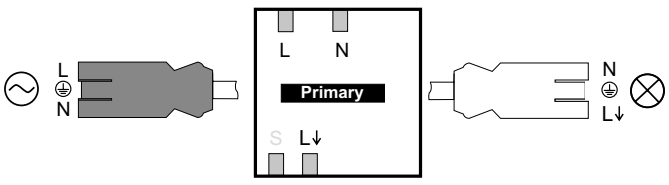
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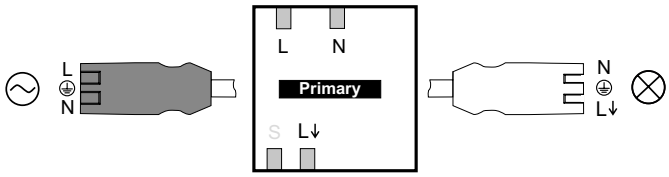
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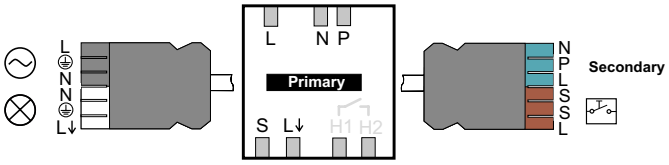
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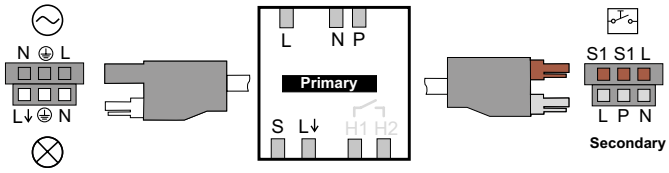
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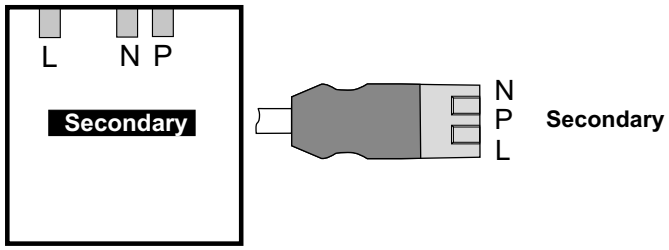
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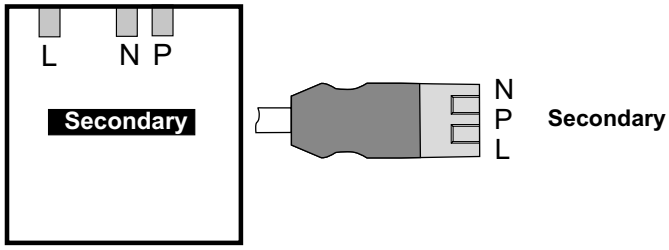
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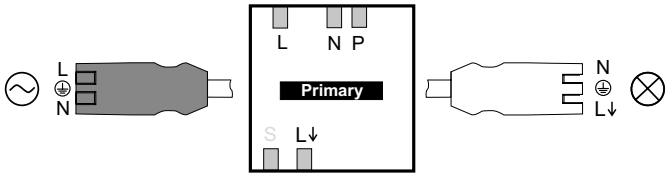
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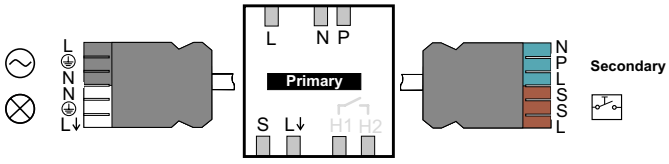
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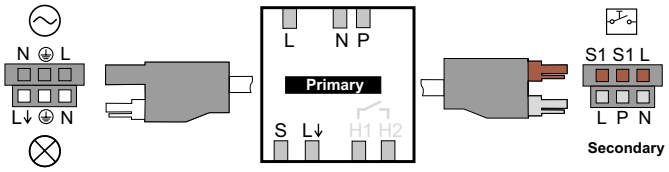
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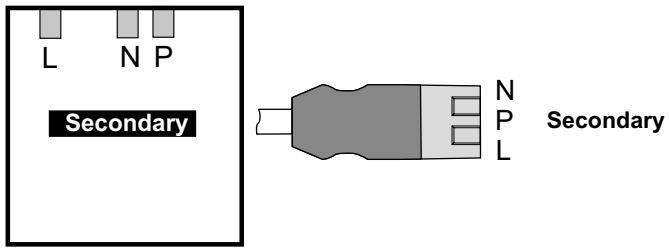
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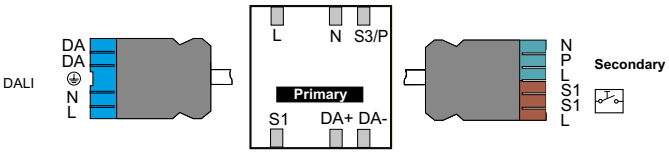
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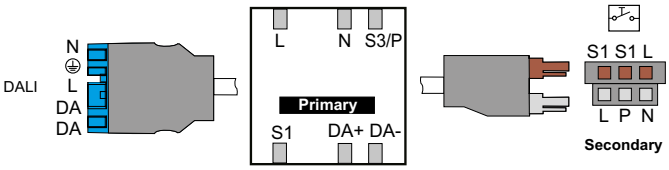
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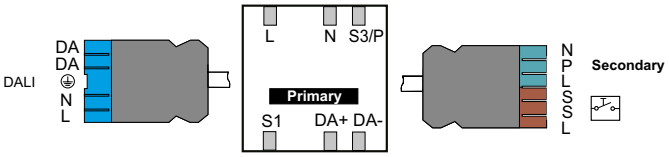
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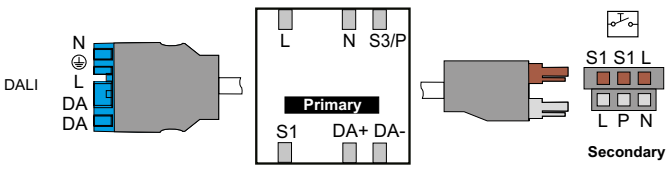
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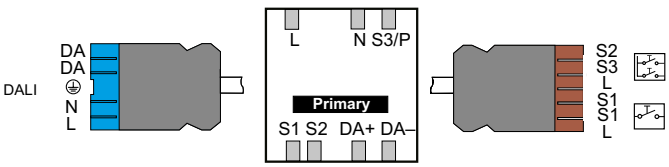
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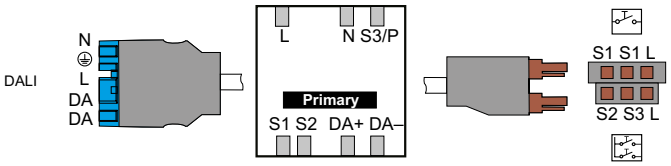


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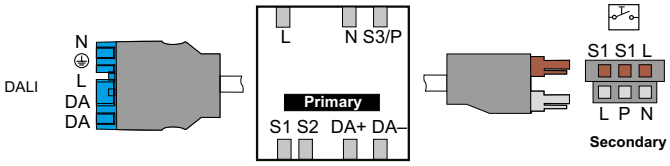


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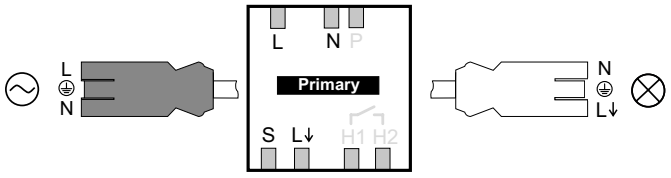
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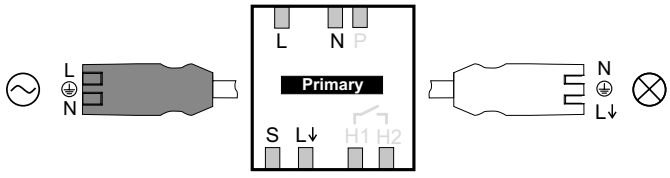
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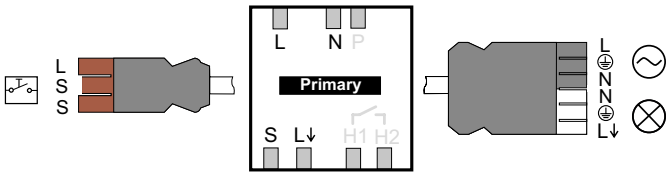
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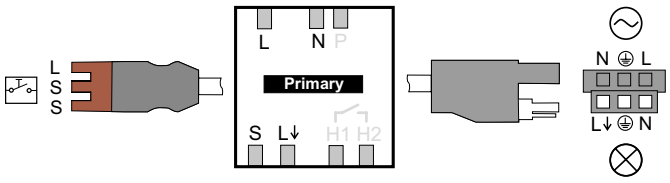
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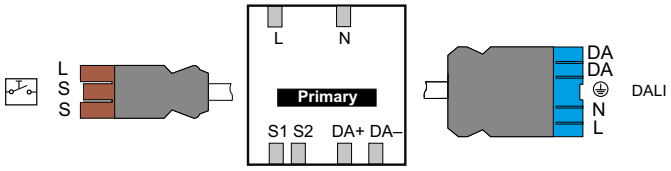
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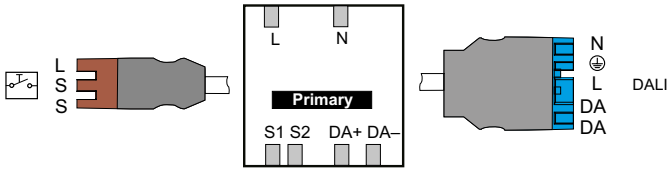
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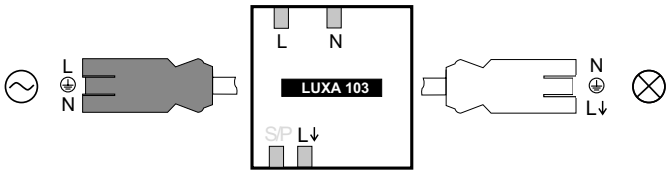
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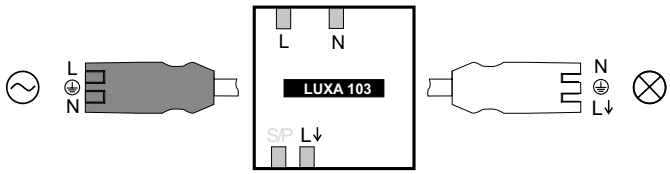
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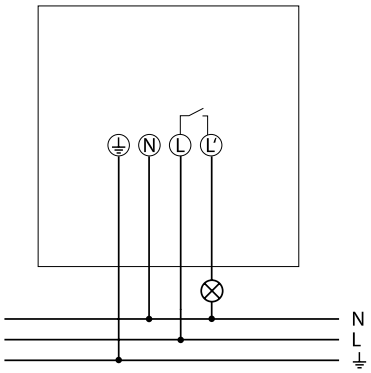
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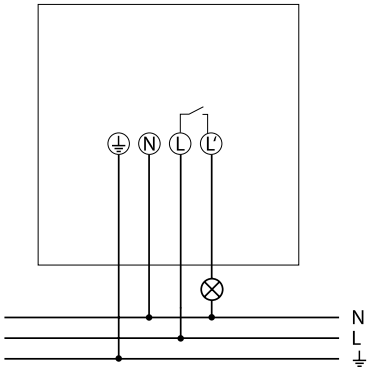
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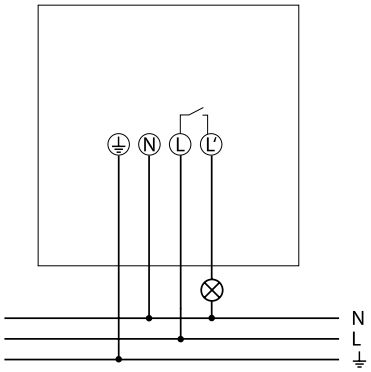
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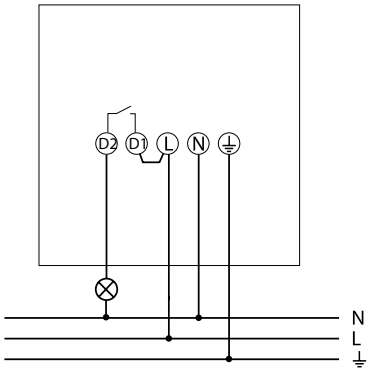
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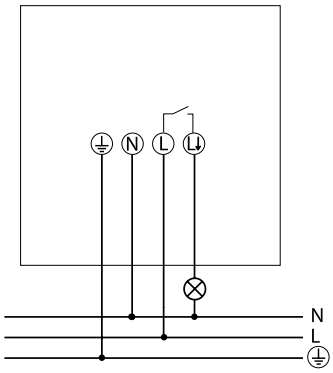
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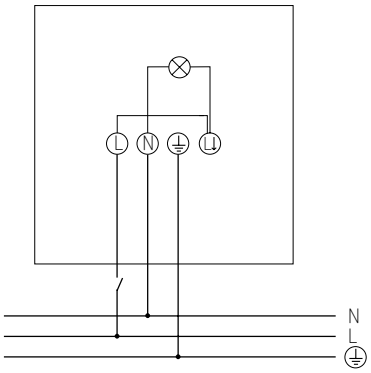
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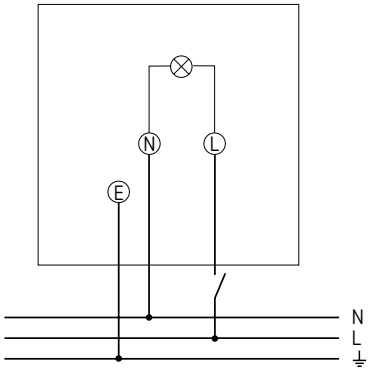


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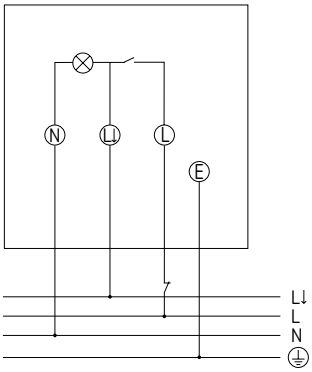


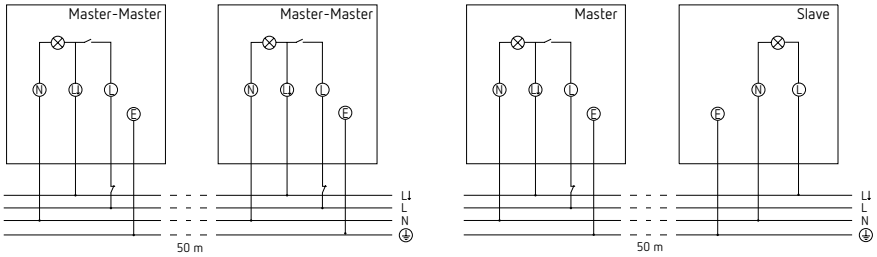
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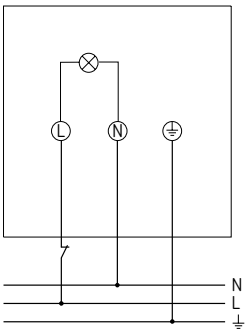


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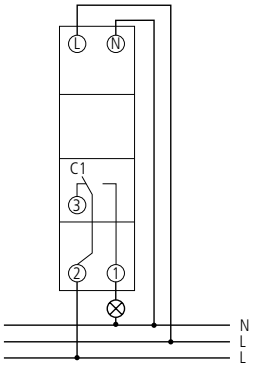




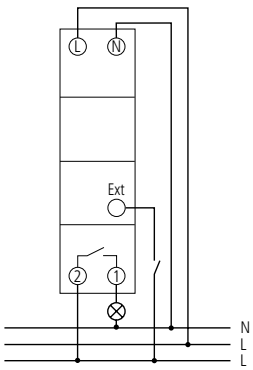
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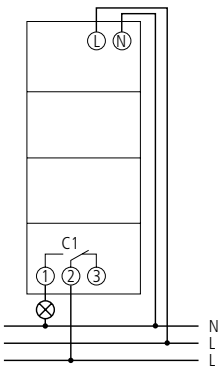
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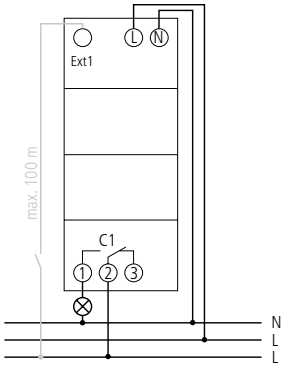
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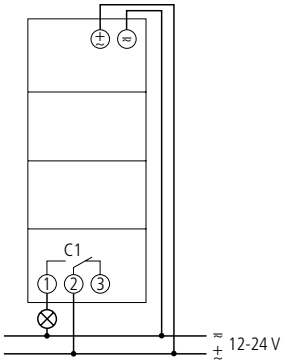
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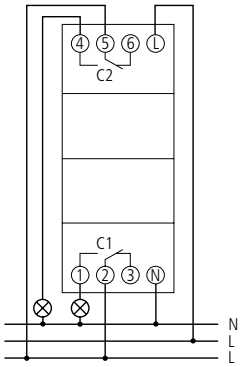
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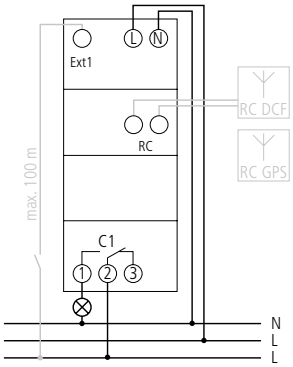
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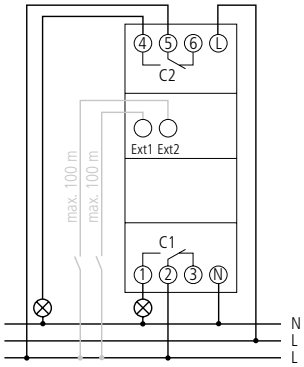
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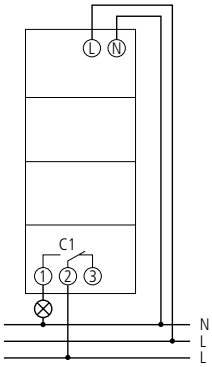
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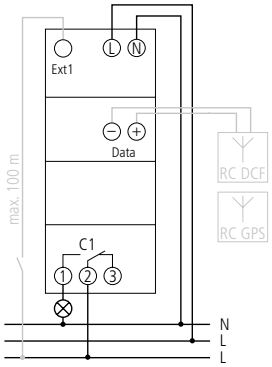
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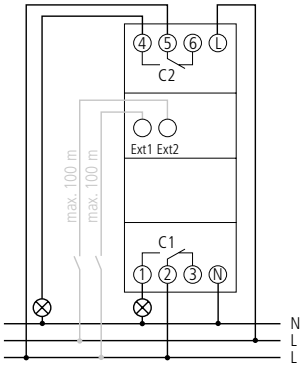
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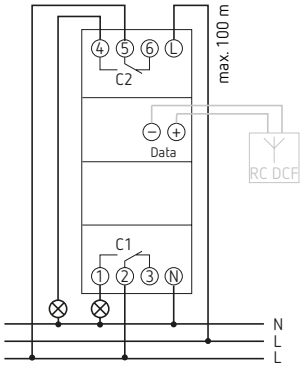


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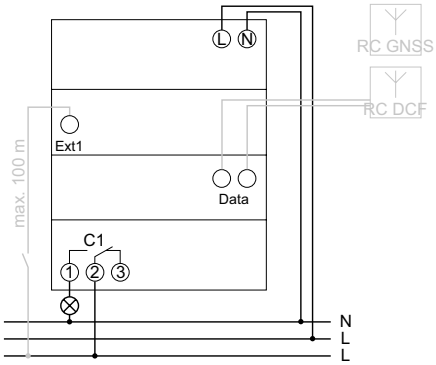


Technical appendix
Connection diagrams

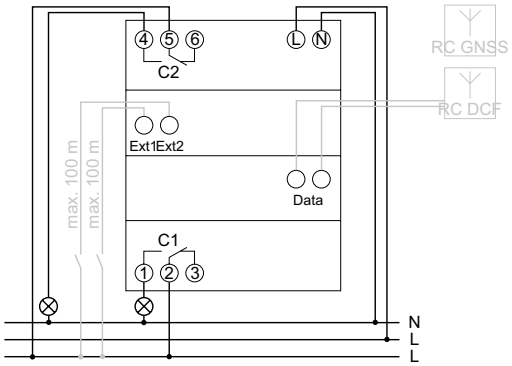
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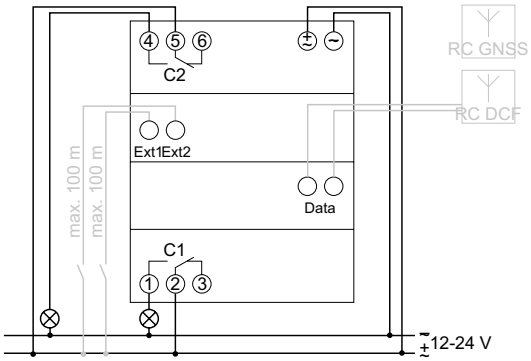
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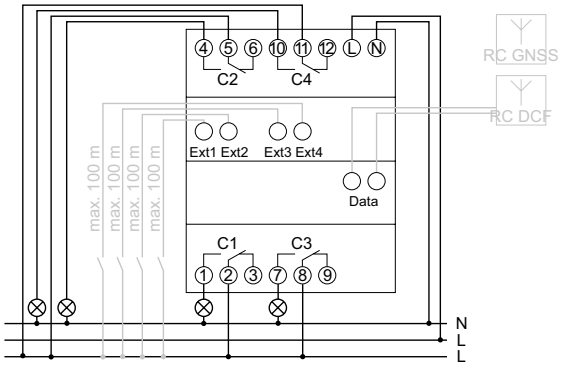
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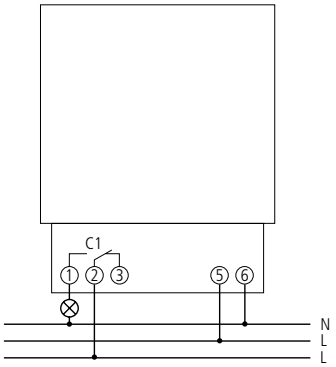
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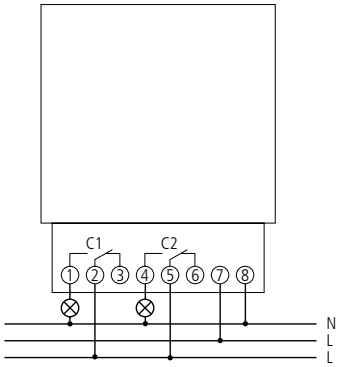
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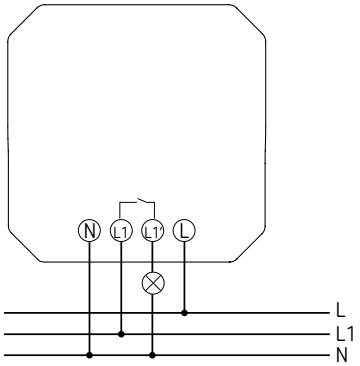
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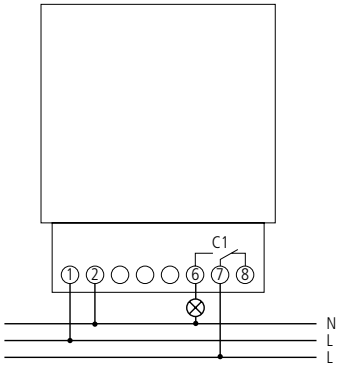
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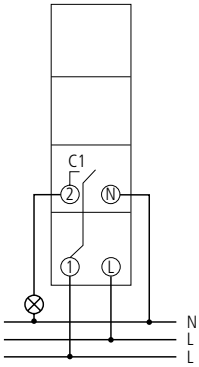
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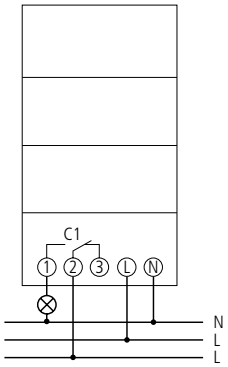
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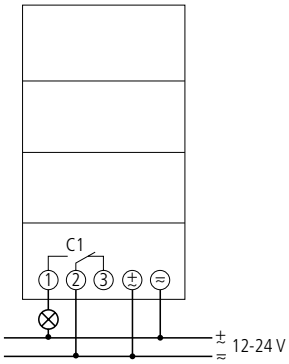
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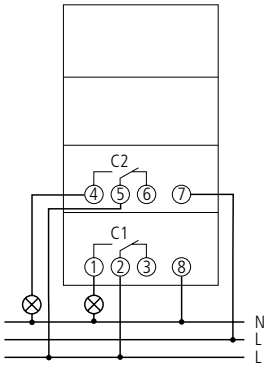
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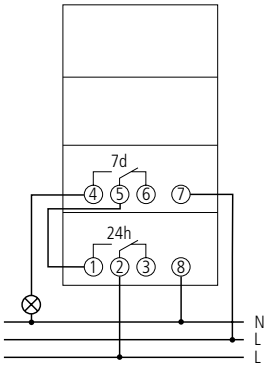
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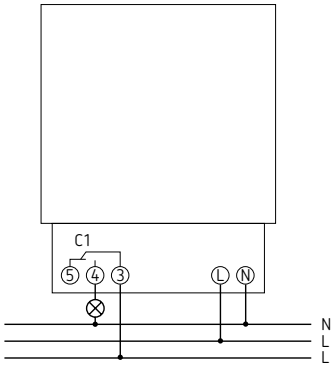
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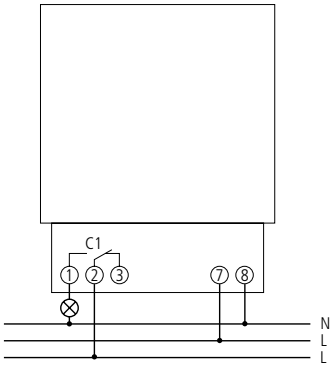
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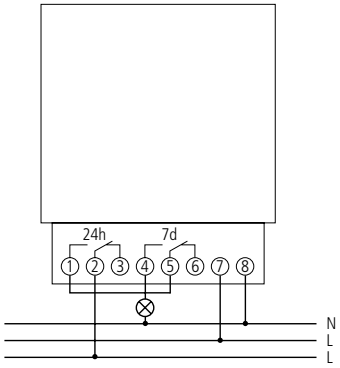


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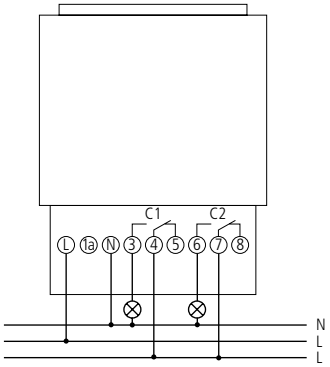


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Connection diagrams

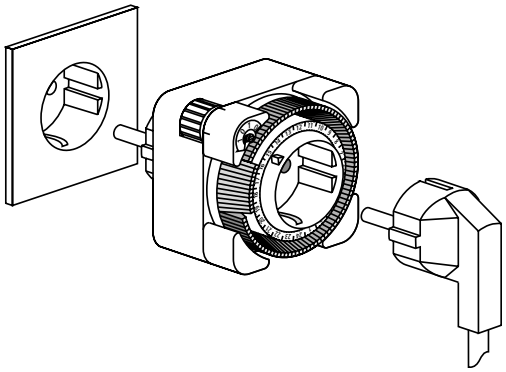
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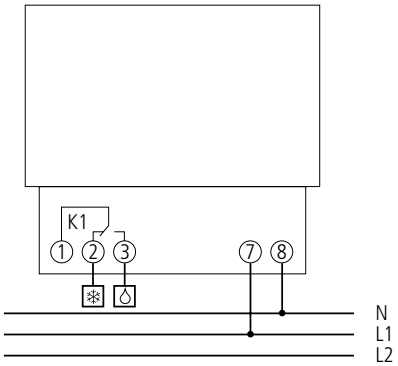
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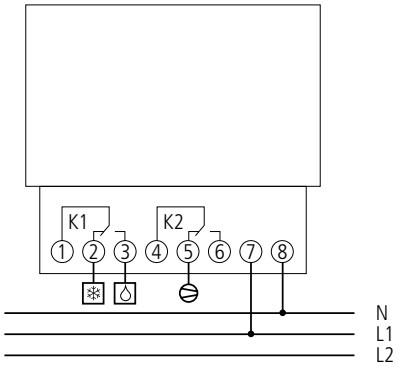
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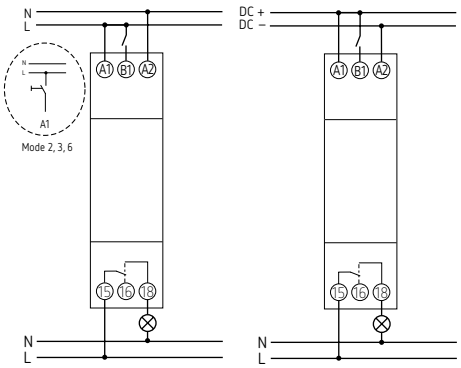
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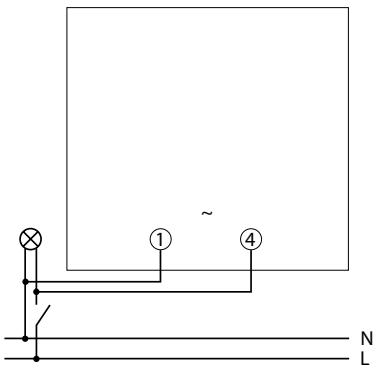
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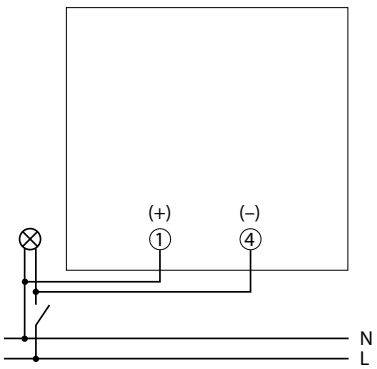
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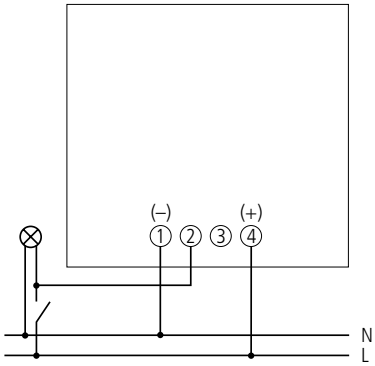
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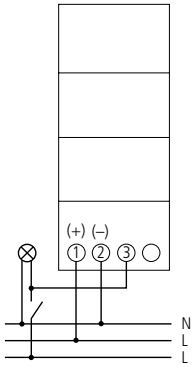
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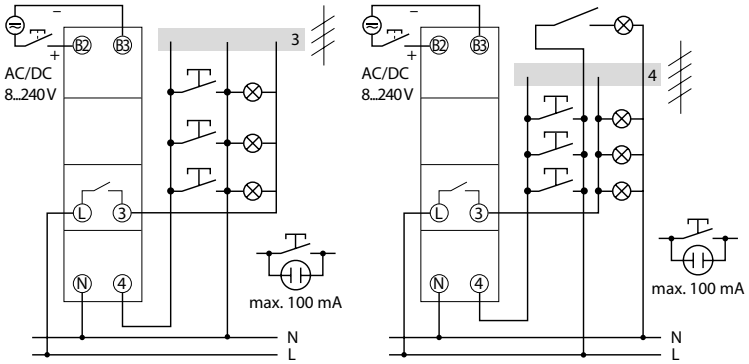
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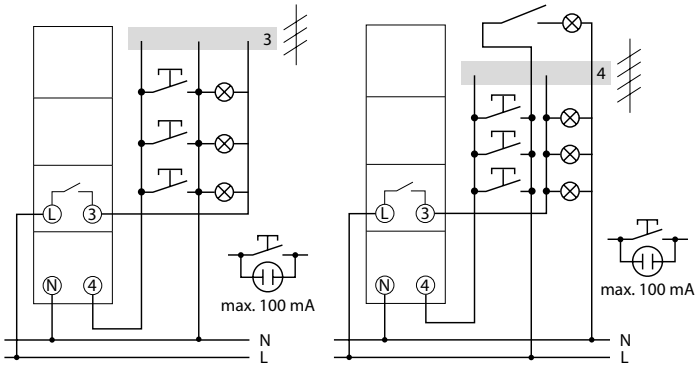
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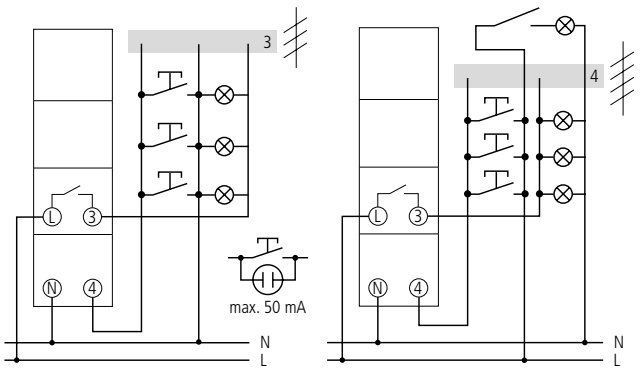
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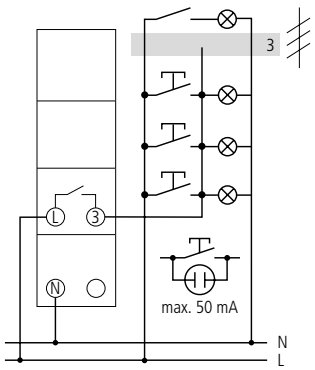
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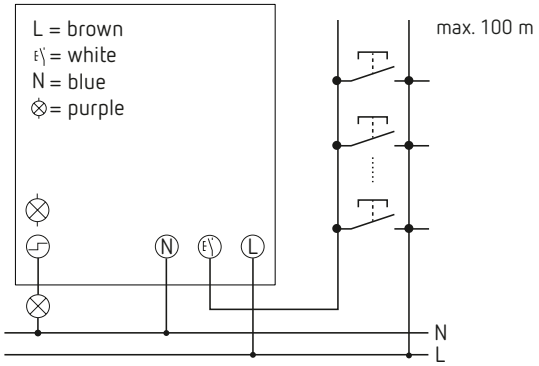


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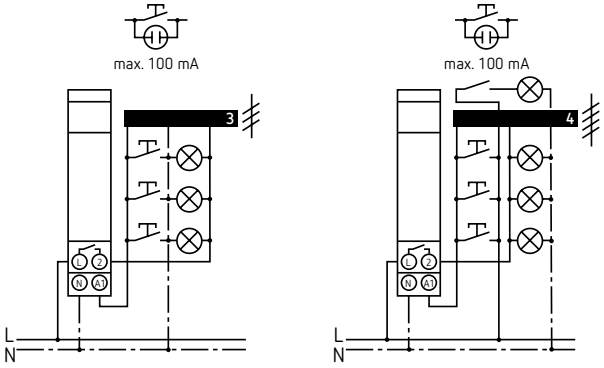


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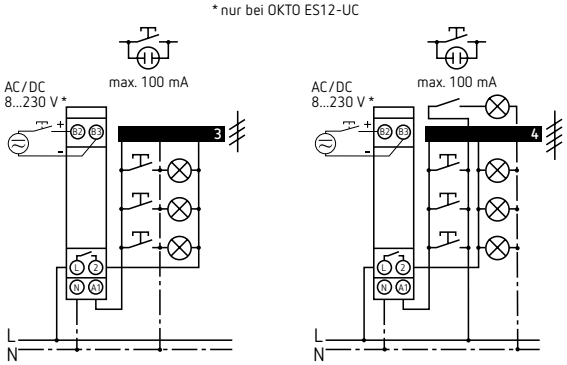
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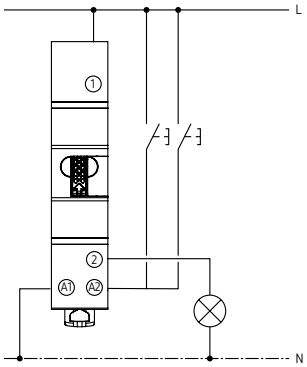
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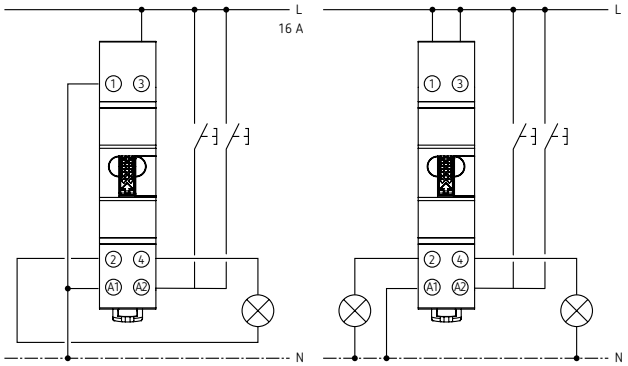
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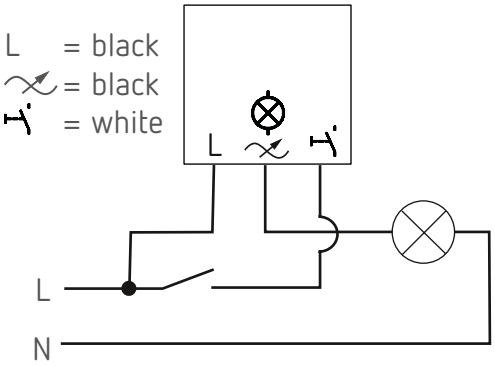
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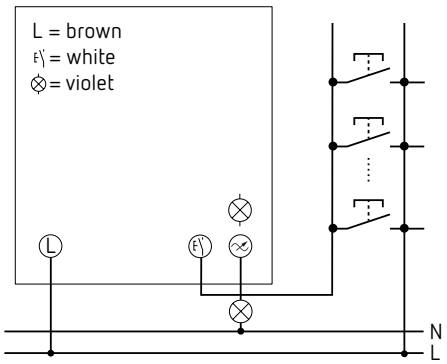
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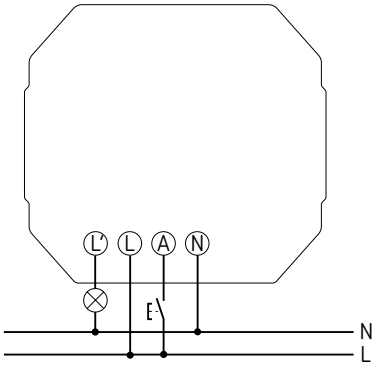
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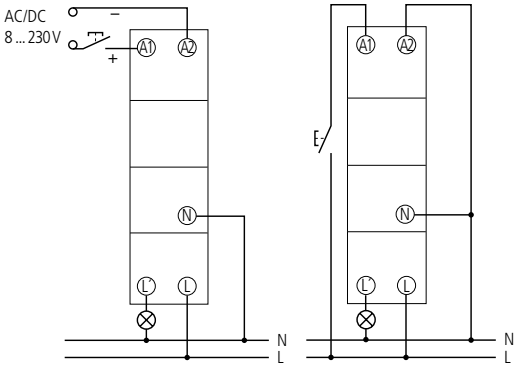
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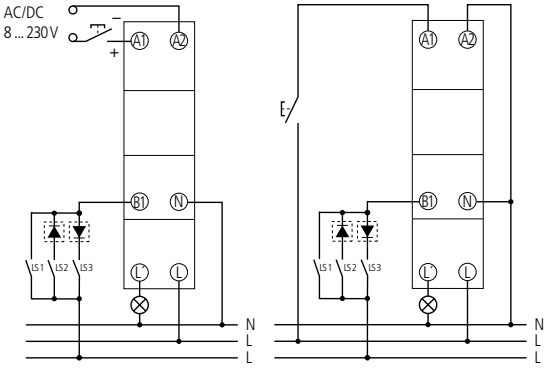
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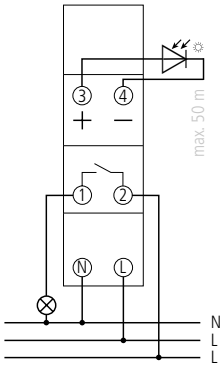
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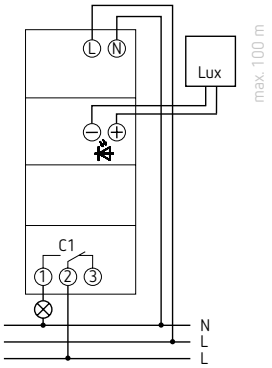
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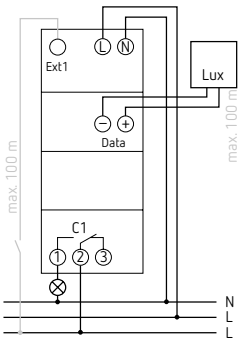
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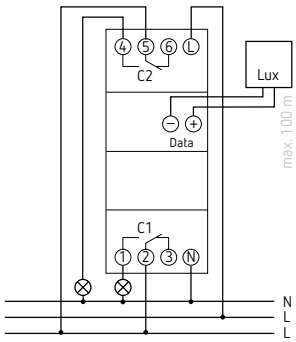
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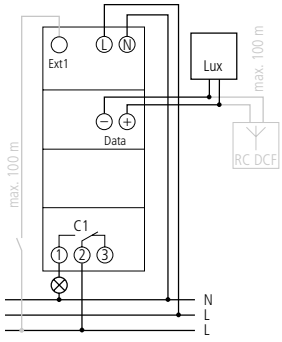
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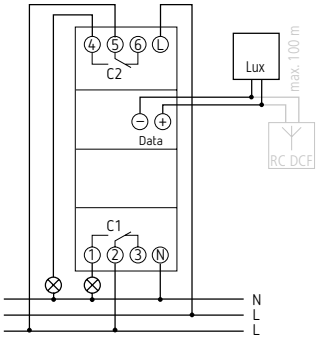
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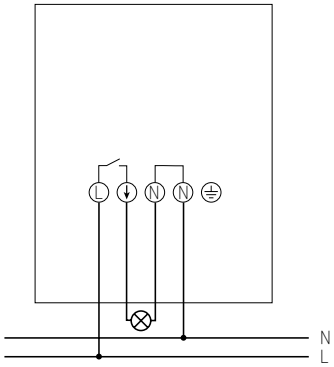


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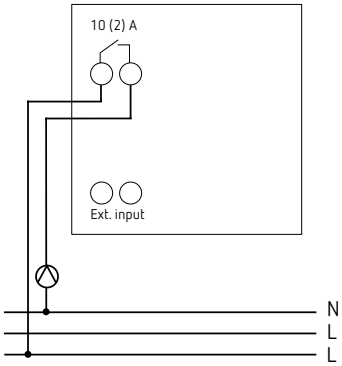


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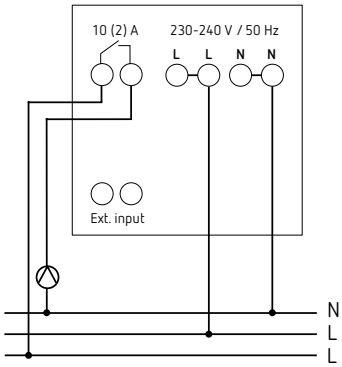
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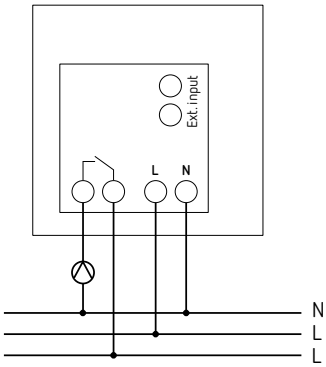
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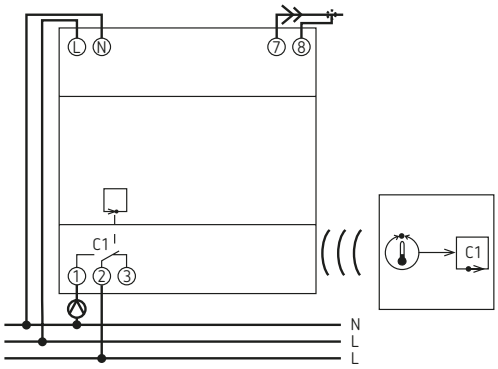
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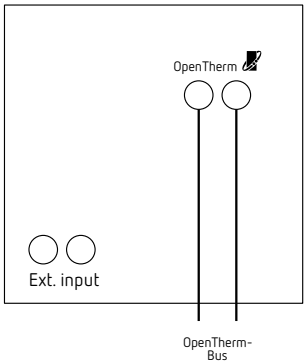
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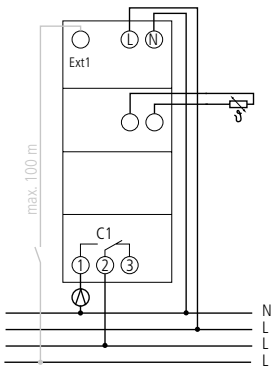
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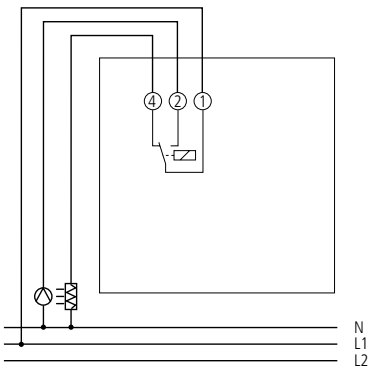
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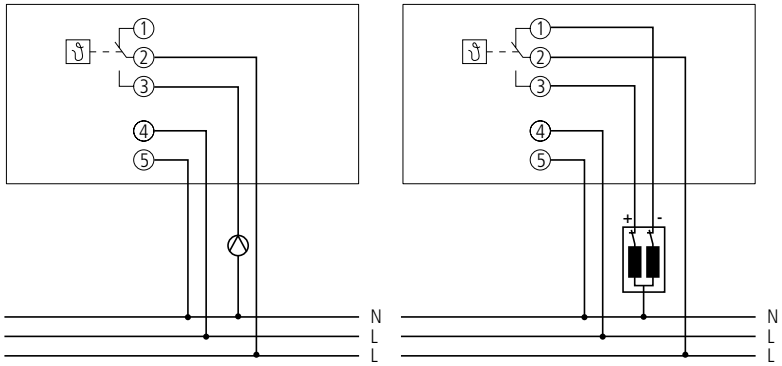
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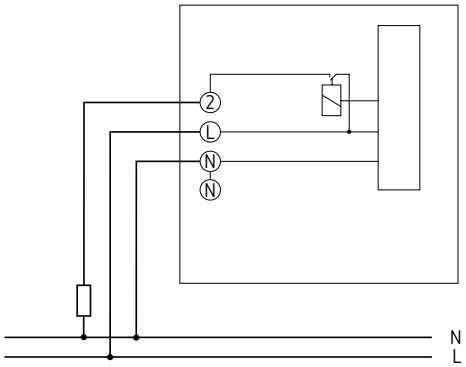
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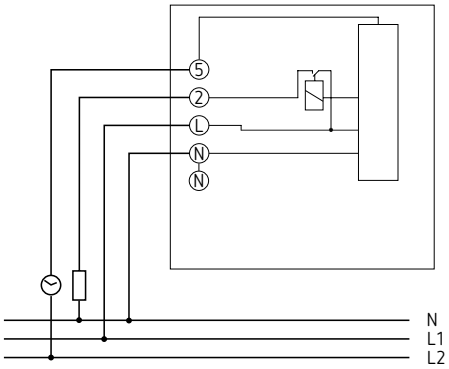
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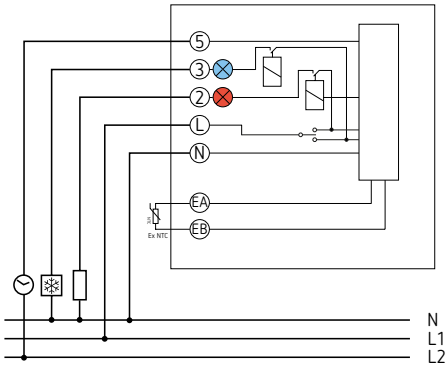
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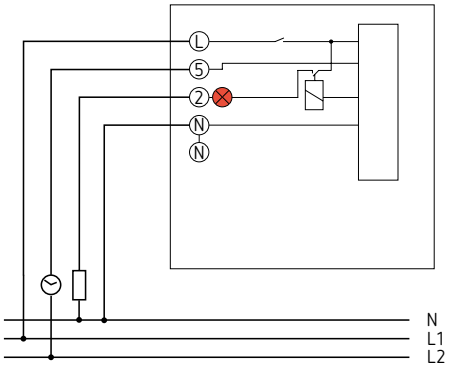
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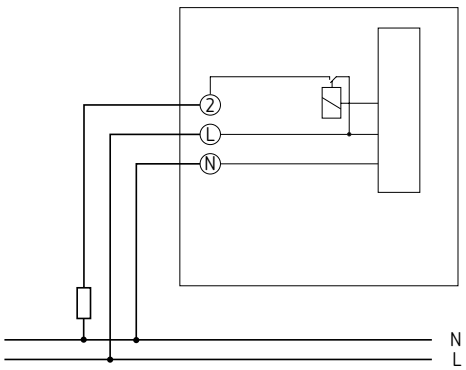
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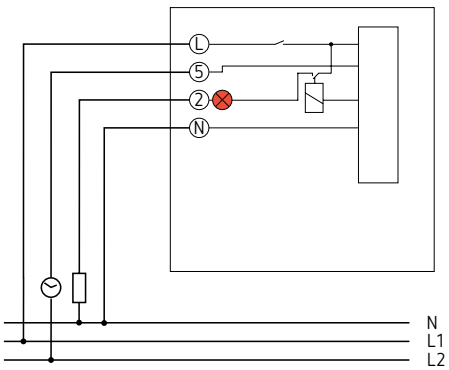
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5340001	DIMAX 534 plus	4003468530009	99
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5410130	DIMAX 541 plus E	4003468540022	98
5420130	DIMAX 542 plus S	4003468540039	98
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7060003	RAMSES 706 S	4003468700020	110
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9080034	PS 24V DC	4003468906156	122
9080041	theLeda B sensor WH	4003468906224	72
9080042	theLeda B sensor BK	4003468906231	72
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9080048	Line coupler Sec KNX	4003468906255	26
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9080069	iONprime PB 2R PBK	4003468906460	39
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9080072	iONprime PB 4R MBR	4003468906491	39
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Discontinued models			Successor types/alternative devices	
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0470002	ELPA 047		No successor	
1020683	theLeda B20L WH		1020672	theLeda B20 dual WH
1020684	theLeda B20L BK		1020673	theLeda B20 dual BK
1020685	theLeda B30L WH		1020674	theLeda B30 dual WH
1020686	theLeda B30L BK		1020675	theLeda B30 dual BK
1020687	theLeda B50L WH		1020676	theLeda B50 dual WH
1020688	theLeda B50L BK		1020677	theLeda B50 dual BK
1020698	theLeda B100L W WH		1020678	theLeda B100 dual WH
1020699	theLeda B100L W BK		1020679	theLeda B100 dual BK
1104100	LUNA 110 AL 24V		No successor	
1104200	LUNA 110 EL 24V		No successor	
4990010	LUXORliving drives package		No successor	
4990201	KNX Set 1 FIX		No successor	
4990202	KNX Set 2 FIX		No successor	
4990203	KNX Set 3 MIX		No successor	
4990204	KNX Set 4 KNX-RF		No successor	
6124100	TR 612 top2 24V		6424330	TR 642 top3 BLE 12-24V RC
6489210	TR 648 top2 RC-DCF KNX		6489130	TR 648 top3 RC KNX
6489212	TR 648 top2 RC KNX		6489130	TR 648 top3 RC KNX
6490130	TC 649 E		430400061	TALENTO SMART LAN 230V (alternative device available from Grässlin)
6490430	TC 649 C		430400061	TALENTO SMART LAN 230V (alternative device available from Grässlin)
7010001	RAMSES 701		7010003	RAMSES 701 S
7030001	RAMSES 703		7030003	RAMSES 703 S
7050001	RAMSES 705		7060003	RAMSES 706 S
7060001	RAMSES 706		7060003	RAMSES 706 S
7080001	RAMSES 708		7080003	RAMSES 708 S
7090001	RAMSES 709		7080003	RAMSES 708 S
7140016	RAMSES 714 A		7080003	RAMSES 708 S
7410130	RAMSES 741		7410300	RAMSES 741 S
7410131	RAMSES 741 RA		7410300	RAMSES 741 S
7460130	RAMSES 746		7460300	RAMSES 746 S
7460131	RAMSES 746 RA		7460300	RAMSES 746 S
7480130	RAMSES 748		7480300	RAMSES 748 S
7480131	RAMSES 748 RA		7480300	RAMSES 748 S
7840030	RAMSES 784		7820030	RAMSES 782
8269210	VARIA 826 S WH KNX		No successor	
9070011	Built-in analog light sensor		No successor	
9070243	DCF77 antenna		No successor	
9070416	Surface-mounted analog light sensor		No successor	
9070480	Adapter plate RAMSES 70x		9070212	Adapter plate RAMSES 714
9070602	Center piece RAMSES 741/748		No successor	
9070760	theLeda B Motion Module WH		9080041	theLeda B sensor WH
9070761	theLeda B Motion Module BK		9080042	theLeda B sensor BK
9070762	theLeda B Light Module WH		9080041	theLeda B sensor WH
9070763	theLeda B Light Module BK		9080042	theLeda B sensor BK
9070793	Adapter		No successor	
9070800	theLeda B Motion Module RC WH		9080041	theLeda B sensor WH
9070801	theLeda B Motion Module RC BK		9080042	theLeda B sensor BK
9070802	theLeda B Remote control		No successor	
9070880	Line coupler S KNX		9080048	Line coupler Sec KNX
9079330	Power supply unit 24 V DC		9080034	PS 24V DC

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0030002	ELPA 3	10	-
0060003	ELPA 6 plus	10	-
0070002	ELPA 7	10	-
0080002	ELPA 8	10	300
0090001	ELPA 9	10	-
0200130	theben-eltimo 020 top3	96	-
0200170	theben-eltimo 020 Astro top3	96	-
0260030	theben-time switch 26	10	-
0260833	theben-time switch 26 safety-plus	10	-
0260855	theben-time switch 26 IP 44	5	-
0270930	theben-time switch 27	10	-
0300130	TR 030 top3 UP	30	-
0700130	SELEKTA 070 top3 UP	30	-
1010200	theLuxa R180 WH	48	-
1010201	theLuxa R180 BK	48	-
1010500	theLuxa S150 WH	24	-
1010501	theLuxa S150 BK	24	-
1010505	theLuxa S180 WH	24	-
1010506	theLuxa S180 BK	24	-
1010510	theLuxa S360 WH	24	-
1010511	theLuxa S360 BK	24	-
1010605	theLuxa P220 WH	18	-
1010606	theLuxa P220 BK	18	-
1010610	theLuxa P300 WH	18	-
1019610	theLuxa P300 KNX WH	18	-
1019611	theLuxa P300 KNX BK	18	-
1020600	theLeda S8-100L WH	24	-
1020601	theLeda S8-100L BK	24	-
1020602	theLeda S17-100L WH	16	-
1020603	theLeda S17-100L BK	16	-
1020670	theLeda B10 dual WH	18	-
1020671	theLeda B10 dual BK	18	-
1020672	theLeda B20 dual WH	18	-
1020673	theLeda B20 dual BK	18	-
1020674	theLeda B30 dual WH	6	-
1020675	theLeda B30 dual BK	6	-
1020676	theLeda B50 dual WH	6	-
1020677	theLeda B50 dual BK	6	-
1020678	theLeda B100 dual WH	6	-
1020679	theLeda B100 dual BK	6	-
1020701	theLeda D SL AL	16	-
1020702	theLeda D SUL AL	16	-
1020703	theLeda D UL AL	16	-
1020704	theLeda D UDL AL	8	-
1020705	theLeda D BL AL	6	-
1020706	theLeda D BL plus AL	4	-
1020800	theLeda S8-100 WH	24	-
1020801	theLeda S8-100 BK	24	-
1020802	theLeda S17-100 WH	16	-
1020803	theLeda S17-100 BK	16	16
1020901	theLeda D S AL	16	-
1020902	theLeda D SU AL	16	-
1020903	theLeda D U AL	16	-
1020904	theLeda D UD AL	8	-
1020905	theLeda D B AL	6	-
1020906	theLeda D B plus AL	4	-
1020907	theLeda D B plus S AL	4	-
1030031	LUXA 103-200 T	60	-
1030045	LUXA 103-100 UA WH	24	-
1030052	LUXA 103 S360-100-12 DE-UP WH	64	-
1030053	LUXA 103 S360-101-12 DE-UP WH	64	-

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1030072	LUXA 103 S360-100-28 DE-UP WH	64	-
1030082	LUXA 103 S360-100-28 AP WH	64	-
1030200	PIRA T8 DE	64	-
1030201	PIRA T8-2 DE	64	-
1030202	PIRA T6 Mini	64	-
1030203	PIRA T8 AP	64	-
1030204	PIRA TC EN	64	-
1030205	PIRA TC AP	64	-
1030206	PIRA TO AP	64	-
1030540	theMova S360-100 FLAT DE WH	72	-
1030545	theMova S360-101 FLAT DE WH	72	-
1030550	theMova S360-100 AP WH	60	-
1030551	theMova S360-100 AP GR	60	-
1030555	theMova S360-101 AP WH	60	-
1030556	theMova S360-101 AP GR	60	-
1030560	theMova S360-100 DE WH	72	-
1030565	theMova S360-101 DE WH	72	-
1030600	theMova P360-100 UP WH	60	-
1039052	LUXA 103 S360-12 KNX UP WH	64	-
1039053	LUXA 103 S360-12 KNX DE WH	64	-
1039072	LUXA 103 S360-28 KNX UP WH	64	-
1039073	LUXA 103 S360-28 KNX DE WH	64	-
1260900	LUNA 126 star E	40	-
1260910	LUNA 126 STAR E AN	40	-
1420721	BZ 142-1	10	-
1600001	SYN 160 a	10	-
1610011	SYN 161 D	100	-
1640200	SYN 164 FM WM	100	415
1640300	SYN 164 FME	90	-
1700130	SELEKTA 170 top3	100	-
1710330	SELEKTA 171 top3 RC	100	-
1720130	SELEKTA 172 top3	100	-
1720330	SELEKTA 172 top3 RC	100	-
1740130	SELEKTA 174 top3	100	-
1800001	SUL 180 a	10	-
1810011	SUL 181 D	100	-
1840200	SUL 184 FM WM	100	-
1840300	SUL 184 FME	90	-
1900001	MEM 190 a	10	-
2010300	thePassa P360-101 UP WH	60	-
2010330	thePassa P360 Slave UP WH	60	-
2010340	thePassa P360-221 DALI UP WH	60	-
2010390	thePassa P360 DALI-2 S UP WH	60	-
2019300	thePassa P360 KNX UP WH	60	-
2030190	PlanoSpot 360 DALI-2 S DE WH	72	-
2039100	PlanoSpot 360 KNX DE WH	72	-
2060650	theMura S180-100 UP WH	60	-
2060655	theMura S180-101 UP WH	60	-
2060658	theMura S180-101 2.20 UP WH	60	-
2060750	theMura S180-100 B UP	60	-
2060755	theMura S180-101 B UP	60	-
2060760	theMura S180 Slave B UP	60	-
2060770	theMura S180-100 2W B UP	60	-
2069650	theMura S180 KNX UP WH	60	-
2069655	theMura P180 KNX UP WH	60	-
2069658	theMura P180 2.20 KNX UP WH	60	-
2070105	thePrema P360-101 E UP white	60	-
2070106	thePrema P360-101 E UP GR	60	-
2070130	thePrema P360 Slave E UP WH	60	-
2070131	thePrema P360 Slave E UP GR	60	-
2070600	thePrema S360-100 E UP WH	60	-

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2070601	thePrema S360-100 E UP GR	60	-
2070605	thePrema S360-101 E UP WH	60	-
2070606	thePrema S360-101 E UP GR	60	-
2070630	thePrema S360 Slave E UP WH	60	-
2070631	thePrema S360 Slave E UP GR	60	-
2079000	thePrema P360 KNX UP WH	60	-
2079001	thePrema P360 KNX UP GR	60	-
2079500	thePrema S360 KNX UP WH	60	-
2079501	thePrema S360 KNX UP GR	60	-
2080020	theRonda P360-100 M UP white	60	-
2080025	theRonda P360-101 M UP white	60	-
2080030	theRonda P360 Slave UP WH	60	-
2080040	theRonda P360-110 DALI UP WH	60	-
2080045	theRonda P360-330 DALI UP WH	60	-
2080090	theRonda P360 DALI-2 S UP WH	60	-
2080095	theRonda P360 DALI-2 HCL UP WH	60	-
2080520	theRonda S360-100 UP WH	60	-
2080525	theRonda S360-101 UP WH	60	-
2080530	theRonda S360 Slave UP WH	60	-
2080540	theRonda S360-100 FLAT DE WH	72	-
2080545	theRonda S360-101 FLAT DE WH	72	-
2080550	theRonda S360-100 AP WH	60	-
2080555	theRonda S360-101 AP WH	60	-
2080560	theRonda S360-100 DE WH	72	-
2080565	theRonda S360-101 DE WH	72	-
2080580	theRonda S360-110 DALI UP WH	60	-
2089000	theRonda P360 KNX UP WH	60	-
2099200	thePiccola P360 KNX DE WH	48	-
3120120	OKTO S12-230	10	60
3120122	OKTO S22-230	10	60
3120130	OKTO ES12-230	10	-
3120131	OKTO ES12-UC	10	-
4800320	LUXORLIVING AC IR1	50	-
4800350	LUXORliving BI180 WH	60	-
4800355	LUXORliving BI360 WH	64	-
4930279	DMB 1 T KNX	40	-
4940320	AC IR1 KNX	50	-
4960080	LIGA.AIR.DALI.THDAEN	100	-
4969238	iON 108 KNX	50	-
5320001	DIMAX 532 plus	40	-
5340001	DIMAX 534 plus	5	-
5400130	DIMAX 540 plus B	242	-
6100130	TR 610 top3	100	-
6110130	TR 611 top3	100	-
6110330	TR 611 top3 RC	100	-
6120130	TR 612 top3	100	-
6220130	TR 622 top3	100	-
7030001	RAMSES 703	10	-
7150002	SOTHIS 715	5	-
9070504	Surface frame LUXA 103-200	90	-
9070531	QuickSafe ball protection basket	12	-
9070754	Adapter frame 45A BJRE WH	126	-
9070765	Ground spike theLeda D B	12	-
9070788	Adapter frame 45A BJBSI WH	126	-
9070789	Adapter frame 45A JAS WH	126	-
9070790	Adapter frame 45A MMP WH	126	-
9070791	Adapter frame 45A GS WH	126	-
9070792	Adapter frame 45A BS WH	126	-
9070819	Surface frame 100A WH	48	-
9070848	US 1 KNX	48	-
9070902	Corner angle theLuxa S WH	96	-
9070903	Corner angle theLuxa S BK	96	-

Article		Number of items per package 1	Number of items per package 2
9070904	Corner angle theLuxa P WH	96	-
9070905	Corner angle theLuxa P BK	96	-
9070906	Spacer theLuxa S WH	156	-
9070907	Spacer theLuxa S BK	156	-
9070908	Spacer theLuxa P WH	168	-
9070909	Spacer theLuxa P BK	168	-
9070910	theSenda P	80	-
9070911	theSenda S	80	-
9070969	Corner angle 10 WH	96	-
9070970	Corner angle 10 AL	96	-
9070971	Spacer 10 WH	168	-
9070972	Spacer 10 AL	168	-
9070985	theSenda B	80	-
9070986	Surface frame LUXA 103-100 U	54	-
9070987	Corner angle 10 BK	96	-
9070988	Spacer 10 BK	168	-
9080001	Adapter frame 45A BJRE CL	126	-
9080002	Adapter frame 45A BJBA CL	126	-
9080003	Adapter frame 45A JUAS CL	126	-
9080004	Adapter frame 45A MEMP CL	126	-
9080005	Adapter frame 45A GIST CL	126	-
9080006	Adapter frame 45A BESI CL	126	-
9080019	Surface box LUXA 103 B WH	96	-
9080020	Surface box LUXA 103 B GR	96	-
9080021	Surface box LUXA 103 B BK	96	-
9080026	1-way rocker switch WH	200	-
9080027	2-way rocker switch WH	200	-
9080031	Corner angle 10 AN	96	-
9080032	Spacer 10 AN	168	-
9080041	theLeda B sensor WH	36	-
9080042	theLeda B sensor BK	36	-

Imprint
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Product data manager: Arne Mohl
Realization: Theben AG, Haigerloch
Design: Theben AG
Image sources: Theben AG, Detlef Majer, ID AID GmbH

Theben AG
Terms and conditions

Preamble

All deliveries and services are based - also in the future - exclusively on the following conditions, even if we do not refer to them specifically in the individual case. Their validity can only be partly or totally excluded by express written agreement for an individual transaction. General terms and conditions, especially purchase conditions of the purchaser, shall not apply to our deliveries and services. We shall not be bound by these terms and conditions even if we do not object to them expressly in an individual case; we herewith object to them. Our General Delivery and Sales Conditions are regarded as accepted, at the latest with the acceptance of the goods or the service.

I. SCOPE OF DELIVERY OBLIGATIONS

1. Our offers are non-binding, even if made on the purchaser's request. A legally binding contractual relationship with the purchaser shall only be constituted once we have confirmed the order in writing, which may also be possible by fax, by letters created automatically without signature, or e-mail; the same applies to modifications or amendments to the contract. As far as scope, type and time of the delivery are concerned, our written order confirmation shall be binding.

2. We reserve the right to any modifications of construction, production and design of our products. Our catalogues and our product presentations published on the Internet are continually being updated. Any illustrations and drawings contained therein shall not be binding and shall not be part of the properties agreed upon. They neither represent any guarantee for durability nor quality.

3. The documents belonging to the offer, such as drawings, data sheets, figures, diagrams, files, etc., shall only be approximates where not expressly described as being binding. The documents shall remain our property; we reserve all rights to them. Without our written consent, they must not be disclosed to any third party and they must be returned to us at any time on request.

4. Call orders must be placed and accepted in due time and with the partial quantities agreed. In case of call orders where term, production batch quantities and release times have not been agreed, we shall be entitled to request a binding definition of the releases 3 months after the date of the order confirmation, at the latest. If the purchaser does not comply with this request within 3 weeks, we shall be entitled to grant him a last additional period of two weeks for doing so and when this additional period has lapsed as well, we shall be entitled to withdraw from the contract or to refuse delivery and claim damages. In any case, the entire quantity ordered in the call order has to be accepted and to be paid by the purchaser 18 months after the order, except when otherwise stipulated.
If the contractual quantity should be exceeded by the individual calls, we shall be entitled to deliver the surplus, but not obligated to do so. We can charge for the excess at the prices valid at the time of the call or the delivery.

II. PRICE

1. All prices are quoted in EURO. The applicable value added tax shall be charged separately.

2. The prices quoted apply to delivery ex works, without insurance and packaging.

3. Surcharges and a recalculation of the agreed remuneration shall be admissible as far as they are necessitated by the circumstances, e.g. material costs, wage or energy cost increases, an increase of the public charges etc., and if the goods or services are to be provided later than 4 months after the contract date. In case of any other price increases, the purchaser shall be entitled to withdraw from the contract if the list price has been increased far more than the general costs of living. Any deliveries for subsequent orders that are placed after the date of the price adjustment shall be charged at the new prices without the purchaser being entitled to withdraw from the contract.

III. DELIVERY

1. The delivery term shall start with the dispatch of the order confirmation, but not before all details of the performance of the order have been clarified and not before receipt of an agreed advance payment or provision of material; the delivery terms are always stated by us subject to our own supply by our suppliers. The delivery term shall be deemed to have been complied with when the delivery item has been dispatched or collected before the expiration of this term or when a ready-for-dispatch note has been issued in cases where the goods could not be dispatched or collected without our being responsible for this.

2. In case of force majeure or other events beyond our responsibility that would threaten the smooth processing of the order, in particular delivery delays of our suppliers, disturbances of traffic or operation, industrial disputes, shortage of materials or energy, we shall be entitled to withdraw, entirely or partially, from the contract or to postpone delivery without the purchaser being entitled to claim damages. The purchaser may request from us a statement specifying whether we want to withdraw or whether we want to fulfil the contract within an adequate period of time. If we do not make such a statement, the purchaser shall be entitled to withdraw from the contract.
We shall not be liable for the events or circumstances referred to above even if they occur during an existing delay of delivery.

3. In case of a delivery delay for which we are responsible, the purchaser shall grant us an adequate grace period. Once this period has expired, the purchaser may claim damages and/or withdraw from the contract insofar as the goods have not been delivered or indicated as being ready for dispatch until the end of this period. The purchaser is not entitled to withdraw from the contract if delivery delay has not been caused by us.

4. The purchaser is only entitled to claim damages as a replacement for the services if the cause of the damage is based on intent or gross negligence on our part. This does not apply if it is a firm deal.

5. The delivery obligations and the delivery terms shall be suspended as long as the purchaser is in delay with acceptance of the goods or any other obligation, without our rights from the purchaser's delay being thereby affected, or without him exceeding the credit limit granted by us. In this case, the risk of accidental loss or accidental deterioration shall pass to the purchaser from the date he is in delay.

6. The delivery term originally agreed shall no longer apply if the order is modified with our written consent.

7. Adequate partial deliveries as well as deviations from the order quantities (max. +/- 5 %) shall be admissible if the purchaser can be reasonably expected to accept this and as long as the latter's interests are taken into account.

8. The weight and the number of pieces of the goods delivered determined by us shall be decisive for the invoicing.

IV. DISPATCH

1. The goods shall be dispatched at the purchaser's costs and risk from a location to be determined by us.

2. Unless the purchaser has submitted any special requests, we shall choose, at our own discretion, the packaging, as well as type and channel of dispatch. The additional costs for special wishes of the purchaser shall be borne by the latter. We shall not be obliged to choose the cheapest type of dispatch.
3. If the dispatch or the delivery is delayed upon the purchaser's request, we shall be entitled to set him an adequate period of time for accepting the goods and to demand immediate acceptance as well as a compensation for the damage caused by the delay once this period has lapsed.

V. TERMS OF PAYMENT

1. Payments shall be made in accordance with the conditions specified in our order confirmation.

2. The purchaser bears the costs for his payment, especially all kinds of banking charges and expenses.

3. Cheques shall be accepted only with the usual proviso. With any type of payment, the settlement date shall be the day on which we can dispose over the amount due.

4. If a deferment of payment is granted or if the purchaser is in default with his obligations to pay, he shall, in the meantime, be liable to pay interests of 9 percent above the respective basic interest rate, without the need for a reminder notice. We reserve the right to claim further damages due to the delay. The purchaser reserves the right to prove that lower damages have been incurred. Furthermore, we are entitled to charge the purchaser a fixed rate of € 40.00 for the reminder.

5. The purchaser shall not be entitled to offset payments against any counter claims or rights unless his claims or rights are acknowledged by us, uncontested or final and absolute. The purchaser is not entitled to retain payments on account of disputed counterclaims either.

6. All our claims are due immediately if terms of payment are not adhered to, or we become aware of circumstances which appear to impair the creditworthiness of the purchaser. In this case, we are also entitled to supply outstanding consignments on cash-in-advance terms or security deposit, or to withdraw from the contract after a reasonable grace period and/or claim damages for non-fulfilment. In addition, we may prohibit the resale or processing of the goods delivered and request that the purchaser, at his costs, return the goods to us or assign the indirect possession of the goods delivered, and withdraw the authorization to collect claims pursuant to Section IX. 7. Already now, the purchaser agrees that we shall, in the mentioned cases, be authorized to enter into his premises and to take away the goods delivered.

7. Payments shall generally be set off against the oldest invoice that is due for payment. As long as an older invoice has not been paid, the purchaser is not entitled to discount on later invoices.

VI. COMPLAINTS AND NOTICES OF DEFECT

1. Complaints because of incomplete or incorrect delivery or notices of evident defects must be delivered to us in writing immediately, at the latest, however, within 2 weeks after receipt of the goods. Any other defects must be reported to us in writing immediately, at the latest, however, within 2 weeks after they have been detected. If we have not received the complaint or notice of defect in due time, any warranty claims of the purchaser shall be excluded. In case of defects reported in due time, the purchaser shall be entitled to the claims according to Section VII.

2. In case of damage in transit, the purchaser must procure an ascertainment of the damage by the railroad company, the postal service or the transport company.

3. If a part of the goods delivered is defective, the purchaser shall not be entitled to reject the entire delivery, unless the partial delivery is of no interest to the purchaser.

VII. WARRANTY

1. The purchaser´s claims for supplementary performance shall be time-barred within 12 months from the statutory start of the limitation period. The same applies for withdrawal and diminution. This time limit does not apply if:
- the law according to § 438 section 1 no. 2 BGB and § 634a section 1 no. 2 BGB requires longer time periods,
- in case of intent,
- in case of fraudulent concealment, and
- in case of non-compliance with a quality guarantee.

We shall be obliged, at our option, to eliminate any defects or make a replacement delivery if the delivery items are defective. The purchaser´s reimbursement claims for expenses according to § 445a BGB shall also be time-barred within 12 months from the statutory start of the limitation period, provided that the last contract in the supply chain is not a consumer goods purchase. Any legal provisions regarding suspension of expiration, suspension and recommencement of the limitation period remain unaffected. Reimbursement claims against us according to § 445a BGB are only valid if the purchaser has not made an agreement with his customer which goes beyond the statutory claims for defects.

2. The purchaser shall grant us the time and opportunity that, in our equitable discretion, is required for the elimination of the defects. Any parts that are replaced shall become our property.

3. If the supplementary performance fails, if we let the adequate period granted to us for this purpose expire without making a new delivery or without eliminating the defect, or if subsequent performance is impossible or refused by us, the purchaser shall be entitled to withdraw from the contract or demand a reduction of the purchase price, the same shall apply to cases where we are unable to provide supplementary performance.

4. The warranty shall neither apply to defects and/or damage due to normal wear and tear nor defects and/or damage caused by inappropriate or negligent use, excessive stress, improper use, wrong handling etc. or circumstances that are not provided for in the contract unless the damage is due to our fault.

5. Without our consent, warranty claims may not be assigned to any third party.

6. We shall not be liable for any defects caused by improper modifications or repairs that are carried out by the purchaser or a third party.

7. Our liability for essential third-party products shall be restricted to the assignment of the warranty claims we are entitled to from the supplier of the third-party product unless satisfaction from the assigned right fails or the assigned claim cannot be enforced for any other reasons.

8. Unless otherwise provided below, any further claims of the purchaser against us, irrespective of the legal cause thereof, shall be excluded, in particular claims for the compensation of a damage that does not exist and/or occur in the goods delivered themselves (e.g. loss of profit, consequential damage or other economic losses); this exemption from liability shall not apply if liability is required by law because of deliberate action, gross negligence or a promise of guarantee or if an essential contractual obligation has been violated or in case of injuries to life and limb or health.
In case of negligent, but not grossly negligent violation, our liability shall be restricted to the replacement of the typical foreseeable damage.

9. The above provisions shall apply accordingly to the delivery of other goods than those agreed upon in the contract.

VIII. LIABILITY, PERIOD OF LIMITATION

1. The exclusion and the limitations of our liability for damages as set forth in Section VII. 8 shall apply accordingly to all cases of our liability for damages due to violation of contractual, or quasi-contractual obligations and tortious act. They shall not apply to claims pursuant to Paragraphs 1 and 4 of the Product Liability Law and to claims due to initial inability to perform at the point of conclusion of the contract or impossibility for which we are responsible. This exemption from liability shall not apply if liability is required by law because of deliberate action, gross negligence or a promise of guarantee or if an essential contractual obligation has been violated or in case of injuries to life and limb or health.

2. If our liability for damages is excluded or restricted, this shall apply in the same way to the personal liability of our executive bodies, employees or authorized agents.

3. The claims of the purchaser referred to in Sec. 1 shall become time-barred after 24 months, calculated from the end of the year of the passing of the risk. If the statutory period of limitation is shorter than 24 months, this statutory period shall be applicable to the relevant claims on the part of the purchaser. This reduction of the period of limitation shall not apply to claims for reasons of tortious act or product liability.

4. The statutory provisions concerning the burden of proof shall remain unaffected.

IX. RETENTION OF TITLE

1. All goods delivered (goods subject to retention of title) shall remain our property until all and any claims to which we are entitled because of the business relationship, in particular the outstanding balance claims, have been fully settled by the purchaser. This shall also apply when payments are made on specially designated claims.

2. If the goods subject to retention of title are combined with other goods by the purchaser, we shall acquire co-ownership of the new object pro rata of the invoice value of the goods subject to retention of title to the invoice value of the other goods used. If our ownership lapses due to a combination, the purchaser herewith agrees to assign to us his property rights to the new objects to the amount of the invoice value of the goods subject to retention of title and keeps them for us, free of charge. The resulting co-ownership rights shall be considered as goods subject to retention of title within the meaning of Section 1. We accept the assignment.

3. The purchaser may sell the goods subject to retention of title in the normal course of business at his terms and conditions only if these contain a comprehensive retention of title in accordance with the provisions set forth herein, and as long as he is not in default, provided that the claims from the resale pass to us pursuant to Sections 4. and 6. hereof. The purchaser does not have any other right of disposition of the goods subject to retention of title, in particular the authorisation to dispose of the goods subject to

retention of title shall be automatically revoked if insolvency proceedings are applied for or liquidation commenced regarding the assets of the purchaser

4. The claims of the purchaser from reselling the goods subject to retention of title are herewith assigned to us. They serve as security to the same extent as the goods subject to retention of title. We herewith accept the assignment.

5. If the purchaser sells the goods subject to retention of title together with other goods not obtained from us, the assignment of claims from the resale shall only correspond to the amount of the invoice value of the goods subject to retention of title that are sold in the individual case. When goods in which we have a co-ownership share pursuant to Sec. 2. are sold, the claims shall be deemed to have been assigned corresponding to the value of this co-ownership shares.

6. If the purchaser uses the goods subject to retention of title for the execution of a contract for work, Sections 4. and 5. shall apply accordingly to the claims from this contract.

7. The purchaser shall be entitled to collect claims from sales according to Sections 3., 5., and 6. until this permission is revoked by us, which shall be admissible at any time. We will only make use of the right of revocation in the cases specified in Section 3., as well as V. 5. Any other assignment of the claims by the purchaser shall not be permitted. Upon our request, the purchaser shall be obliged to inform his customers immediately about this assignment to us – unless we do it ourselves – and to provide any information and documents required for the collection of claims to us. The purchaser is prohibited from hypothecation or transfer of the goods by way of security.

8. Our retention of title implies that, once all our claims have been fully paid, the title to the goods subject to retention of title shall ipso jure pass to the purchaser and he shall be entitled to the assigned claims without any restrictions. If the value of the existing securities exceeds the secured claims by more than 20 % in total, we shall be obliged to release securities accordingly, at our option, on request of the purchaser. The assessment of securities shall be based on their realizable value.

9. The purchaser shall inform us immediately about any seizure or any other threat or impairment to our ownership rights or claims by a third party and provide the bailiff's return or any other documents to us and he shall do anything within his power to protect our rights.

10. We shall be entitled at any time to enter into the warehouse and the business premises of the purchaser, in order to remove, separate or label the goods subject to retention of title. At our request, the purchaser shall provide any relevant information concerning the goods subject to retention of title and hand over the related documents. The purchaser, at his costs, shall be obliged to provide comprehensive insurance coverage for the goods subject to retention of title in our favour and to supply evidence thereof on request. He herewith assigns all claims from these insurances to us; we accept the assignment.

11. The assertion of our retention of title or the revocation of the authorizations granted herein shall not be considered as a withdrawal from the contract. The purchaser's right of possession in the goods subject to retention of title expires if he does not meet his obligations arising from this or another contract. We shall then be entitled to take possession of the goods subject to retention of title ourselves and to exploit them in the best possible way by means of a private sale or an auction, without prejudice to the payment obligations or any other duties of the purchaser. The proceeds thus realized shall be appropriated to the purchaser's outstanding payments after the costs have been deducted. Should there be any surplus, this shall be paid to the purchaser.
12. If the retention of title or the assignment is not effective under the law to which the goods belong, the corresponding security valid in this field of law shall be deemed as agreed. If the cooperation of the purchaser is required in this context, he shall take any measures that are necessary for the constitution and preservation of such rights.

X. TOOLS

1. Tools, moulds, appliances and the like - in the following referred to as „tools" - are in principle our assets, even if the purchaser had paid for these wholly or partially. This shall apply irrespective of whether the tools were manufactured by us or by commissioned third parties.

2. We undertake not to manufacture any parts for third parties using tools for which the purchaser has paid the entire cost, providing the purchaser supplies us with follow-up orders. This obligation expires without a claim for reimbursement of any type against us arising for the purchaser if we do not receive further orders within two years after the last order.

3. We shall store the tools in good condition free of charge. The purchaser shall bear the costs of maintenance and repairs. Our obligation to store the tools shall come to an end after expiry of the two-year period stated in Sec. 2. We shall be entitled to dispose of the tools afterwards.
4. The provisions above (Sections 1 to 3) shall not apply to tools for common and generally usable items.

XI. PROTECTIVE RIGHTS OF THIRD PARTIES

Insofar as we have to manufacture products on the basis of drawings, specifications, models, or samples given to us by the purchaser, the purchaser takes upon himself the responsibility of guaranteeing to us that the rights of third parties are not infringed upon. In case of violation, the purchaser will indemnify us in full from any claims by third parties and fully reimburse us for any resulting damages. If a third party claims its industrial property rights we are entitled to stop the manufacturing or delivering of the items immediately without checking the legal situation.

XII. MISCELLANEOUS PROVISIONS

1. The place of performance and jurisdiction for both parties under the contract is D-72401 Haigerloch, Germany. We are also entitled to file an action against the purchaser at the purchaser's general place of jurisdiction.

2. All legal relations between the purchaser and us shall be governed exclusively by law of the Federal Republic of Germany.

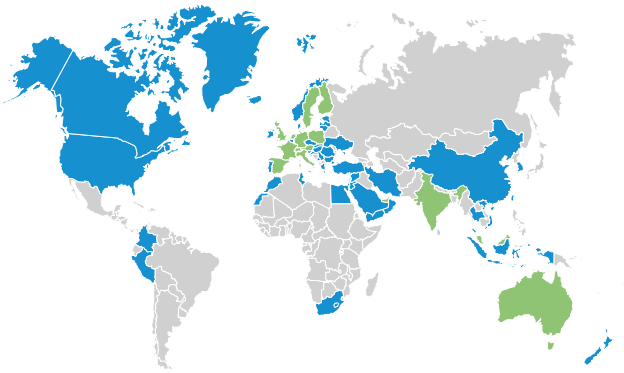
3. Should one or several of the provisions of these terms and conditions or the other contractual provisions be or become invalid, this shall not affect the validity of the remaining provisions. The invalid provisions shall be reinterpreted in such a way that the legal and economic purpose intended with them is achieved to the greatest possible extent. The same shall apply if, during the execution of the agreement, a gap in the agreement requiring an amendment becomes evident. The contracting parties undertake to replace the ineffective provisions immediately by legally valid provisions or to close the contractual gap.

4. We shall store the purchaser's data for the purposes of the contractual relationship.

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