

Thank you for choosing **Schneider Electric™ Miluz E** series products. Please read through the following information before installation and use.

This application guide applies to the following products.

(Notes: suffix_WE/IV/BK...etc. mean the colors)

Switch	Socket	USB socket
VDI	Dimmer/ Fan Controller	Buzzer
Weather Proof Box		

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(Notes: suffix _WE/IV/BK...etc. mean the colors)

Cat. No.	Description
M3TB31_10A_1	10AX 250V 1Way Switch Module 1M Size
M3TB31_16A_1	16AX 250V 1Way Switch Module 1M Size
M3TB31_10A_2	10AX 250V 2Way Switch Module 1M Size
M3TB31_16A_2	16AX 250V 2Way Switch Module 1M Size
M3TB31_DP_32A	32A 250V Double Pole Switch Module 2M Size
M3TB31_ROL	10A 250V Roller Blind Switch Module 1M Size
M3TB31_IM	10~16AX 250V Intermediate Switch Module 1M Size
M3TB31_BP_2M	10A 250V Doorbell Switch Module 2M Size
M3TB31_BP_1M	10A 250V Doorbell Switch Module 1M Size
M3TS31_1	16AX 250V 1 Way Switch S Size
M3TS31_2	16AX 250V 2 WAY Switch S Size
M3TS31_ROL	10A 250V Roller Blind Switch
M3TS31_BP	10A 250V Bell Switch S Size
M3TS31_D20L	20A 250V Doubl Pole Switch with LED S Size
M3TS31_IM	10~16AX 250V Intermediate Switch S Size

SPECIFICATIONS

Rated Voltage : 250 V~	Rated Current : Refer to product marking
Self ballasted lamp : 100 W(10AX)	Mounting centre : 83.5 mm for grid plate
(SBL) Load : 200 W(16AX)	
: 250 W(20A)	

⚠ WARNING

ELECTRIC SHOCK, EXPLOSION OR ARCING HAZARD

- This product must be installed by qualified electricians.
- This product should only be used in accordance with this specification and under the appropriate circumstance, Please check your local wiring regulations before installation.
- The power must be disconnected before installation, maintenance or replacement.
- Make sure the product is installed completely and safely before turning on the power.
- Avoid any foreign objects ingress into product such as small metal wires, paper clips, liquids, etc.

Failure to follow this instruction may result in death or serious injury.

CAUTION

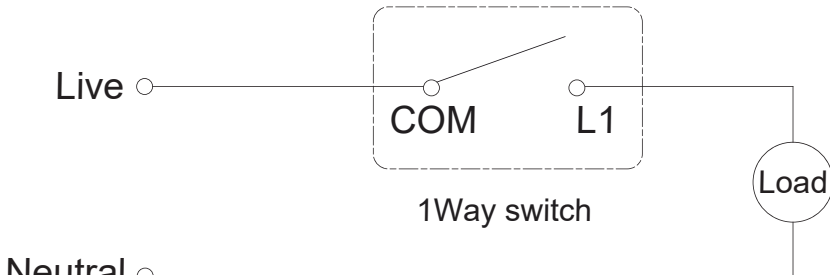
RISK OF DAMAGE DEVICE

- Please install with standard wall box of 35mm depth. Ensure the product to be used properly.
- Please keep the front cover safe in order to prevent damages before and during installation.
- Ensure the power supply is turned off when cleaning the product. Use a piece of soft and dry cloth to wipe off the dirt and contamination on the surface. Do NOT use corrosive chemicals.
- Shield / mask the product before renovation to avoid contamination and degradation.
- Indoor use only.
- Door Chime used should have in-build safety feature (example: Thermal Fuse).

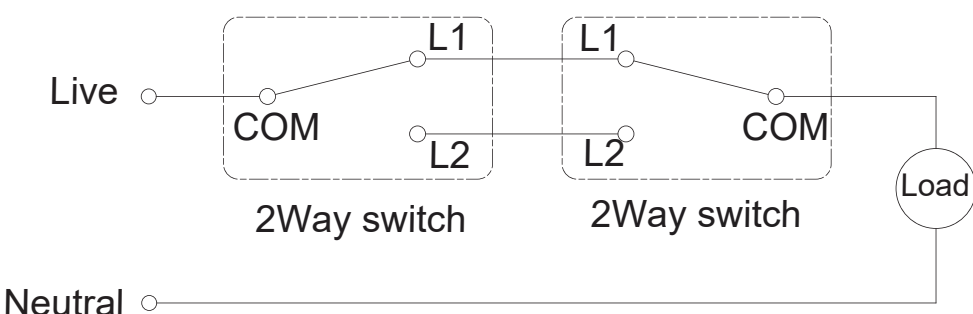
Failure to follow this instruction may result in damage to the device.

WIRING DIAGRAMS

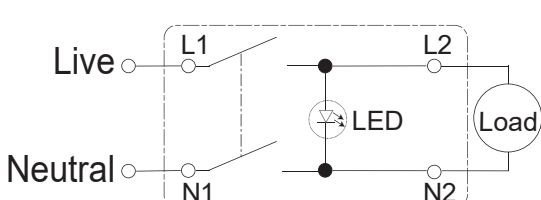
1 Way Switch



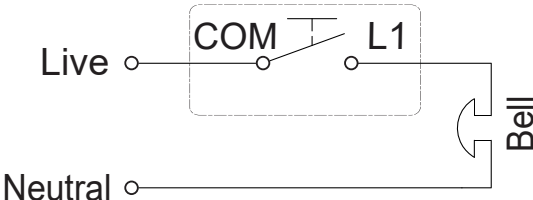
2 Way Switch



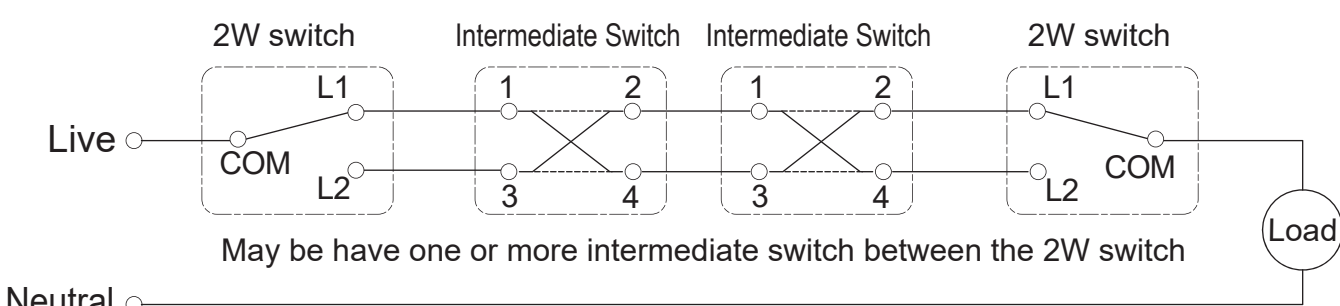
1 Way Double Pole Switch



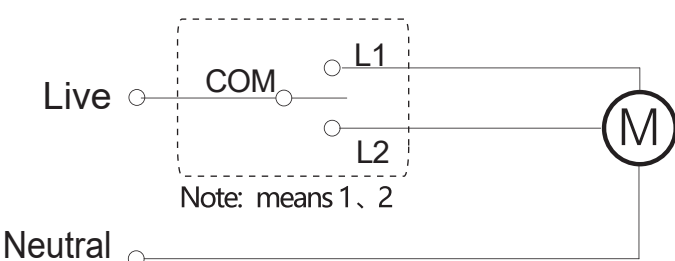
Doorbell Switch



Intermediate Switch

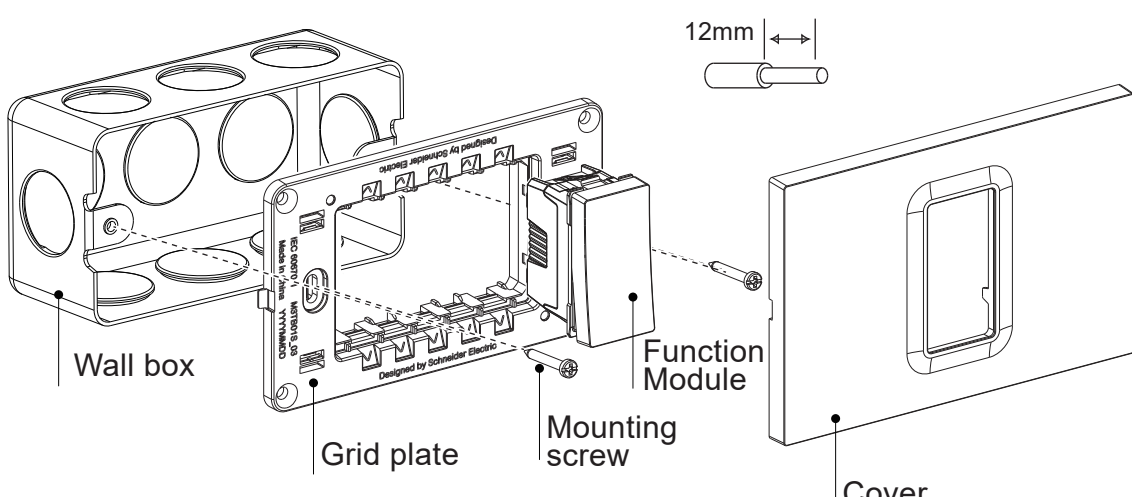


Roller Blind Switch



MOUNTING INSTRUCTION

Please refer to the following diagram for proper installation.

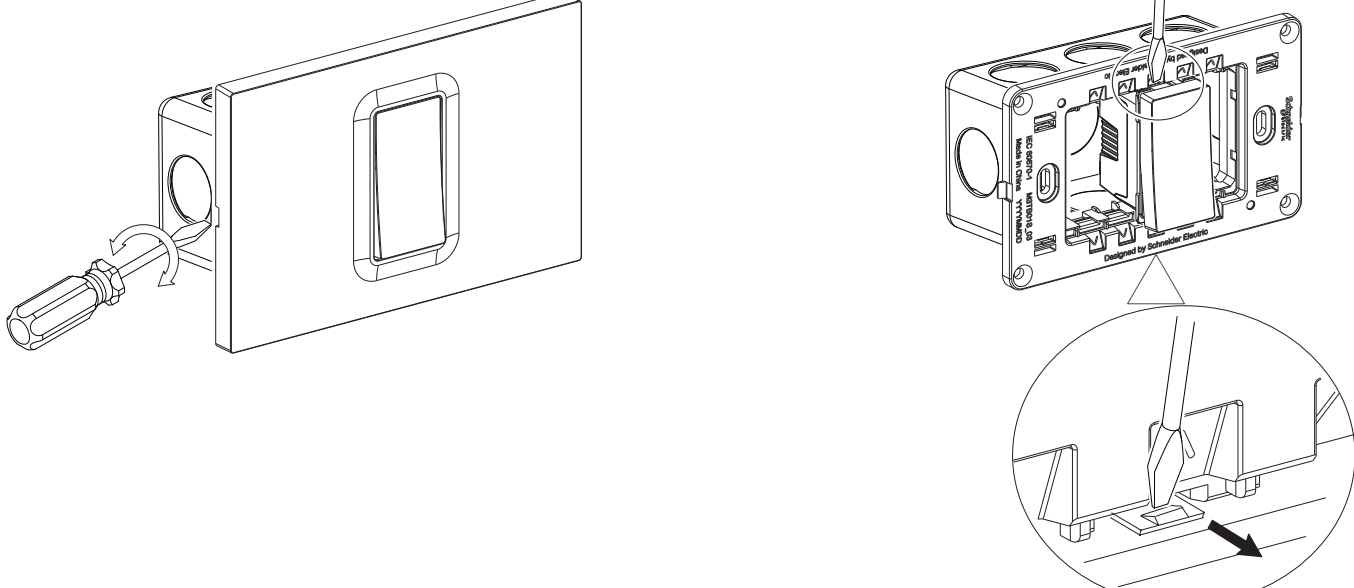


Important Note:

When blank space in grid plate cannot be fully filled in by functional modules, blank cover module(M3TB005CP) must be used to fill in the gap.

The process of releasing the module

- 1 Insert a screwdriver into the clip lock, twist the screwdriver to remove the cover.
- 2 insert screwdriver into the clip lock, pry up to remove the module.



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Cat. No.	Description
M3TB426_US	16A 250V 2 Pin Universal Socket Module 1M Size
M3TB426_GR	16A 250V 2 Pin w Earth German Socket Module 2M Size
M3TB426_UPS_GR	16A 250V 2 Pin w Earth UPS German Socket Module 2M Size
M3TB426_IS	16A 250V International Socket Module 2M Size
M3TS426US	16A 250V 2 Pin Universal Socket S Size
M3TS426UST	16A 250V 3 Pin Universal Socket 2S Size
M3TS426UST2	16A 250V 2 Gang 3 Pin Universal Socket E Size
M3TS426_IS	16A 250V International Socket 2S Size
A70_SIS	16A 250V 2 Gang 3Pin Universal Socket
M3TS_SIS	16A 250V 2 Gang 3Pin Universal Switched Socket

SPECIFICATIONS

- Rated Voltage : 250 V~
- Mounting centre : 83.5 mm for grid plate
- Rated Current : Refer to product marking

! WARNING

ELECTRIC SHOCK, EXPLOSION OR ARCING HAZARD

- This product must be installed by qualified electricians.
- This product should only be used in accordance with this specification and under the appropriate circumstance,Please check your local wiring regulations before installation.
- The power must be disconnected before installation, maintenance or replacement.
- Make sure the product is installed completely and safely before turning on the power.
- Avoid any foreign objects ingress into product such as small metal wires, paper clips, liquids, etc.
- Users should avoid touching the pins of the plug while plugging in or unplugging.

Failure to follow this instruction may result in death or serious injury.

CAUTION

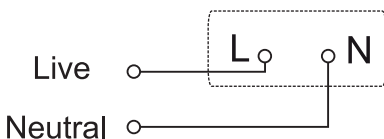
RISK OF DAMAGE DEVICE

- Please install with standard wall box of 35mm depth. Ensure the product to be used properly.
- Please keep the front cover safe in order to prevent damages before and during installation.
- Ensure the power supply is turned off when cleaning the product. Use a piece of soft and dry cloth to wipe off the dirt and contamination on the surface. Do NOT use corrosive chemicals.
- Shield / mask the product before renovation to avoid contamination and degradation.
- Indoor use only.

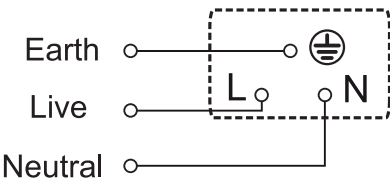
Failure to follow this instruction may result in damage to the device.

WIRING DIAGRAMS

Socket without Earth

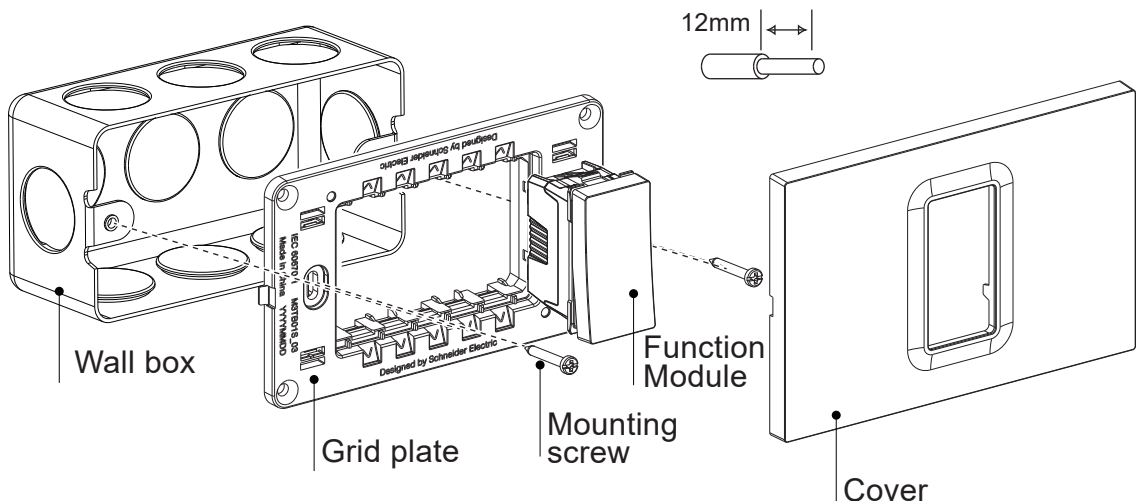


Socket with Earth



MOUNTING INSTRUCTION

Please refer to the following diagram for proper installation.



Important Note:

When blank space in grid plate cannot be fully filled in by functional modules, blank cover module(M3TB005CP) must be used to fill in the gap.

The process of releasing the module

1

Insert a screwdriver into the clip lock, twist the screwdriver to remove the cover.

2

insert screwdriver into the clip lock, pry up to remove the module.

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Cat. No.	Description
M3TB_USB_2A	2 Port 2.1A Type A+A USB Module 1M Size
M3TB_USB_AC	2 Port 2.4A Type A+C USB Module 1M Size
M3TS_USB2	2 port 21W A+C USB S Sized

SPECIFICATIONS

USB Input Voltage	: 100-250V~ (M3TB_USB_2A) 220-240V~ (M3TB_USB_AC) 220-250V~ (M3TS_USB2)
USB Input Frequency	: 50/60Hz
USB Input Current	: 0.3A (M3TB_USB_2A) 0.5A (M3TB_USB_AC) 0.5A (M3TS_USB2)
USB Output	: 5V ≡ 2.1A Max(M3TB_USB_2A), each port output maximum current is 2.1A 5V ≡ 2.4A Max(M3TB_USB_AC), each port output maximum current is 2.4A M3TS_USB2 C port: 5V ≡ 3A, 9V ≡ 2.33A, 12V ≡ 1.75A A port: 5V ≡ 3A, 9V ≡ 2A, 12V ≡ 1.5A Dual port: 5V ≡ 3A (3A max for each port)
Protection	: Over heat, output over current, output over voltage, output short circuit
Operation Temperature	: 0-40°C
Mounting centre	: 83.5mm for grid plate

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- This product must be installed by qualified electricians.
- This product should only be used in accordance with this specification and under the appropriate circumstance, Please check your local wiring regulations before installation.
- The power must be disconnected before installation, maintenance or replacement.
- Make sure the product is installed completely and safely before turning on the power.
- This permanently connected equipment does not contain internal disconnected device, a readily accessible disconnected device should be provided externally.
- The product should be mounted on the surface of concrete or non-flammable materials.
- Avoid any foreign objects ingress into USB charger such as small metal wires, paper clips, liquids, etc.

Failure to follow this instruction may result in death or serious injury.

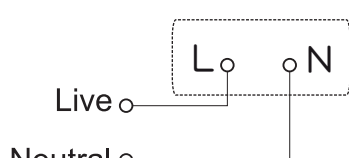
CAUTION

RISK OF DAMAGE DEVICE

- This product is only applicable at altitudes below 2000m .
- Please install this product in a standard wall box with 2 lugs of 47mm depth.
- Please shield / mask the product before renovation to avoid damage or contamination.
- Please keep the front cover safe in order to prevent damages before and during installation.
- Ensure to turn off the power supply when cleaning the product. Use a piece of soft and dry cloth to wipe off the dirt and contamination on the surface. Do NOT use corrosive chemicals.
- Before charging the product, please ensure the battery of your device is complied with Battery Charging Specification. Do not use multi-adaptors for multiple charging to avoid damaging devices.
- Please check the voltage at the home should not be higher than the rated voltage during installation, otherwise the USB module may be damaged
- The charging time depends on the supported charging protocol, power, battery capacity, charging line quality and other factors decided by the charged device itself.
- Some charging cables integrated with charging facility, connecting this kind of charging cable may trigger the normal charging mode.
- User will feel some heat at the product surface when charging is in progress
- Indoor use only.

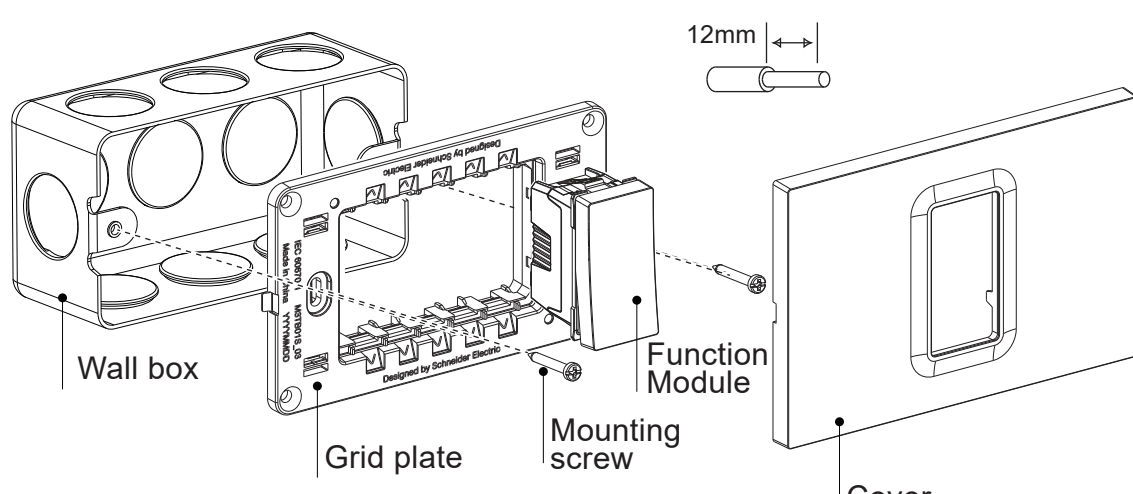
Failure to follow this instruction may result in damage to the device.

WIRING DIAGRAMS



MOUNTING INSTRUCTION

Please refer to the following diagram for proper installation.

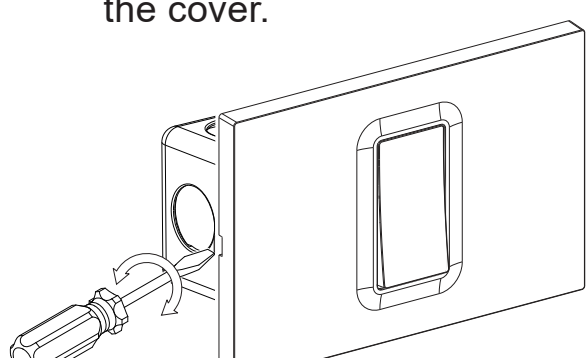


Important Note:

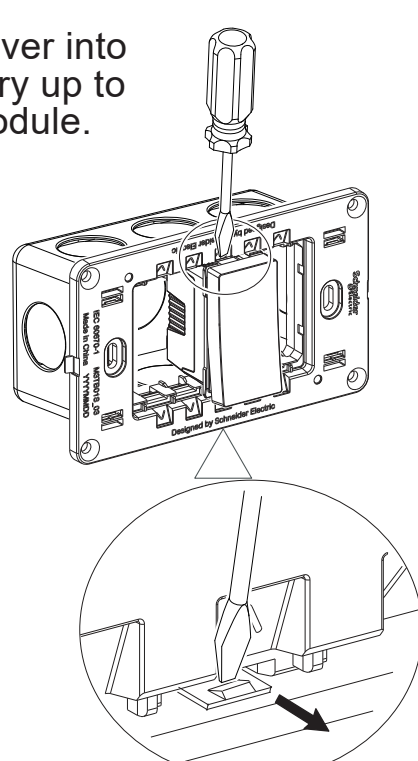
When blank space in grid plate cannot be fully filled in by functional modules, blank cover module(M3TB005CP) must be used to fill in the gap.

The process of releasing the module

- 1** Insert a screwdriver into the clip lock, twist the screwdriver to remove the cover.



- 2** insert screwdriver into the clip lock, pry up to remove the module.



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Cat. No.	Description
M3TB1_RJ4M	6 Pin 4 Wire Telephone Outlet Mechanism w/shutter
M3TB1_RJ6M	Cat6 Data Outlet Mechanism w/ shutter
M3TB1_TVFM	F-type TV Outlet Mechanism
M3TSRJ4M	Tel Mech w/shutter
M3TSRJ6M	CAT6 Data Mech w/shutter
M3TSNRD	Red Indicator
M3TSTV75M	75Ohm Coax TV Mech
M3TSFO	Fiber Optic SC Type

SPECIFICATIONS

Mounting centre : 83.5 mm for A format,60.3mm for E format

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- This product should only be used in accordance with this specification and under the appropriate circumstance,Please check your local wiring regulations before installation.
- The power must be disconnected before installation, maintenance or replacement.
- Make sure the product is installed completely and safely before turning on the power.
- Keep a safe distance between low voltage cables and high voltage cables.

Failure to follow this instruction may result in death or serious injury.

CAUTION

RISK OF DAMAGE DEVICE

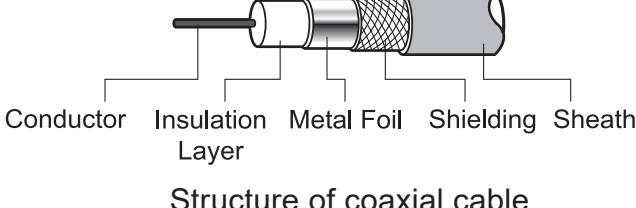
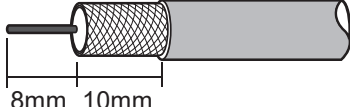
- Please install with standard wall box to ensure the product to be used properly
- Please keep the front cover safe in order to prevent damages before and during installation.
- Ensure the power supply is turned off when cleaning the product. Use a piece of soft and dry cloth to wipe off the dirt and contamination on the surface. Do NOT use corrosive chemicals.
- Shield / mask the product before renovation to avoid contamination and degradation.
- Indoor use only
- Avoid any foreign objects ingress into product such as small metal wires, paper clips, liquids, etc.

Failure to follow this instruction may result in damage to the device.

WIRING DIAGRAMS

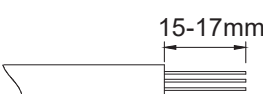
TV outlet wiring instructions

Cut the sheath of coaxial cable according to the following diagram.

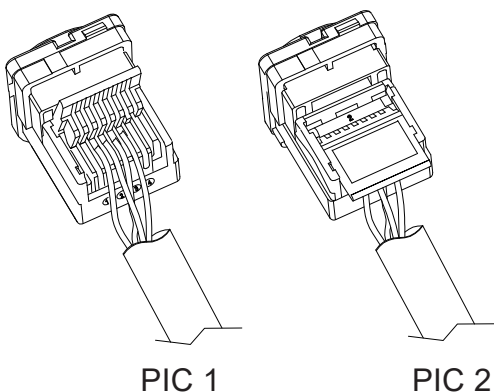


Tel outlet wiring instructions

1.Strip wire according to the following diagram



- 2.Cable of different colour must be fixed correspondingly.
3. Fix the cable to the position 1,2,3,4 according to the right diagram.(pic 1)
4. Close cover and fasten the wire. (pic 2)

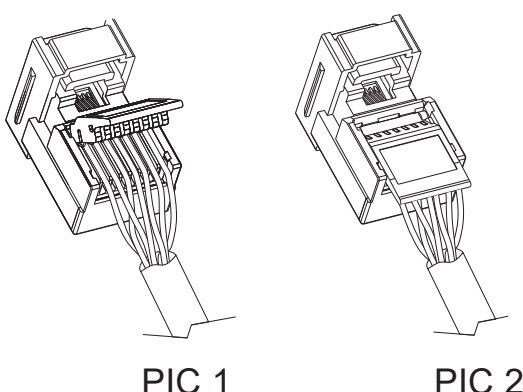


Data outlet wiring instructions

1.Strip wire according to the following diagram



- 2.Fix the cable to the position based on different colors according to diagram (568A/568B).
- 3.Open the wire pressing cover and put the wire into the outlet based on correct color sequence. (pic 1)
- 4.Close cover and fasten the wire. (pic 2)



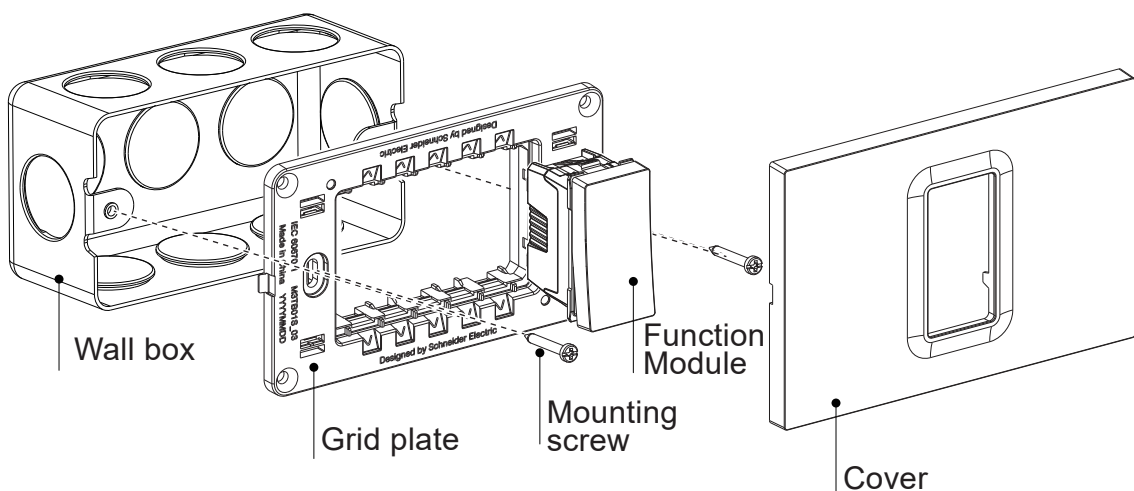
MODULAR WIRING CONFIGURATION

COLOR CODE	T568B	T568A
White-Blue	5	5
Blue	4	4
White-Orange	1	3
Orange	2	6
White-Green	3	1
Green	6	2
White-brown	7	7
Brown	8	8

568A/568B

MOUNTING INSTRUCTION

Please refer to the following diagram for proper installation.

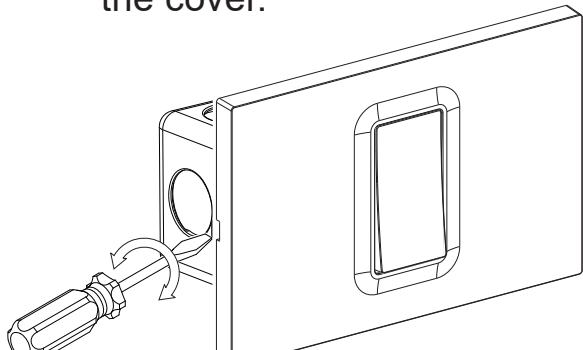


Important Note:

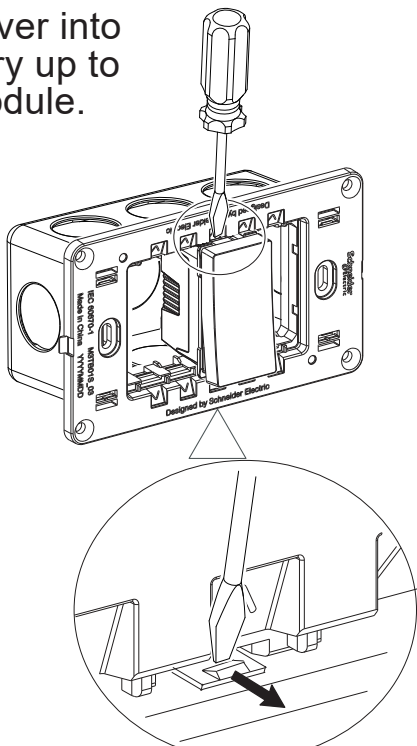
When blank space in grid plate cannot be fully filled in by functional modules, blank cover module(M3TB005CP) must be used to fill in the gap.

The process of releasing the module

- 1** Insert a screwdriver into the clip lock, twist the screwdriver to remove the cover.



- 2** insert screwdriver into the clip lock, pry up to remove the module.



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Cat. No.	Description
M3TB1_250DM	Dimmer Mechanism w/ rotary Knob
M3TB1_FM	Fan Cont. Mechanism w/ Rotary Knob
M3TSDM	Dimmer Switch with rotary Knob
M3TSDM_G5	Dimmer Switch with rotary Knob

SPECIFICATIONS

Rated Voltage	: 220-240 V~	Rated Current	: Refer to product marking
Mounting centre	: 83.5 mm for grid plate	Rated Frequency	: M3TB1_250DM 50Hz M3TB1_FM 50Hz M3TSDM 50/60Hz M3TSDM_G5 50/60Hz

Compatible load		Dimmer	Fan Controller
LED	Dimmable LED(4-100 W)	Only for M3TB1_250DM, M3TSDM	No
	Incandescent, high voltage halogen lamp (25-250 W)	YES	No
	Exhaust Fans, Ceiling Fans(30-100 W)	No	Yes

⚠ WARNING

ELECTRIC SHOCK, EXPLOSION OR ARCING HAZARD

- This product must be installed by qualified electricians.
- This product should only be used in accordance with this specification and under the appropriate circumstance,Please check your local wiring regulations before installation.
- The power must be disconnected before installation, maintenance or replacement.
- Make sure the product is installed completely (product considered incomplete if any cover is removed) and safely before turning on the power.
- Avoid any foreign objects go into product such as small metal wires, paper clips, liquids, etc.

Failure to follow this instruction may result in death or serious injury.

CAUTION

RISK OF DAMAGE DEVICE

- Please install the product with standard wall box which complies with standard and ensure the product to be used properly.
- Please keep the front cover safe in order to prevent damages before and during installation.
- Ensure the power supply is turned off when cleaning the product. Use a piece of soft and dry cloth to wipe off the dirt and contamination on the surface. Do NOT use corrosive chemicals.
- It is recommended to cover the product before decoration to prevent dust, dirt or damage.
- For indoor use only.
- Please connect a 6A miniature circuit breaker (Type C trip type) that meets the requirements of IEC 60898-1 standard to the power supply.
- When connecting few LED lamps, it is recommended to use lamps of the same brand and model, and the total loading should not exceed the rated value.
- This product(M3TSDM) adopts a Triac Leading-edge dimming technology. When a dimmable LED lamp is connected, flickering or unstable brightness occur, please use the compatible dimmable LED lamps in the "Recommended Loading List" for a better solution.
- It is not recommended to connect with different type of lamps together such as capacitive and inductive loads.
- In the case of a mixed load (combination of resistive and inductive loads, or resistive and capacitive loads) on one channel, the resistive load should not exceed 30 % of the total connected load on this channel.

Failure to follow this instruction may result in damage to the device.

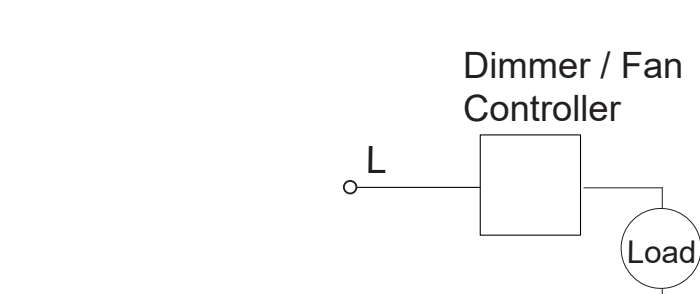
Recommended Loading List is as below:

Brand	Wattage	Connection Type	Current	Model
Philips	4W	E27	25mA	9290011401B 250lm 2200-2700K 220-240V 50/60Hz
Philips	6W	E14	35mA	9290011404B 420lm 2200-2700K 220-240V 50/60Hz
Philips	10.5W	E27	55mA	9290020693 1055lm 2700K 220-240V 50/60Hz
OSRAM	7.5W	GU10	49mA	AC32242 630lm 3000K 220-240V 50/60Hz
FSL	7W	MR16	30mA	MR16B-D 500lm 3000K 180-265V 50/60Hz

DISCLAIMER

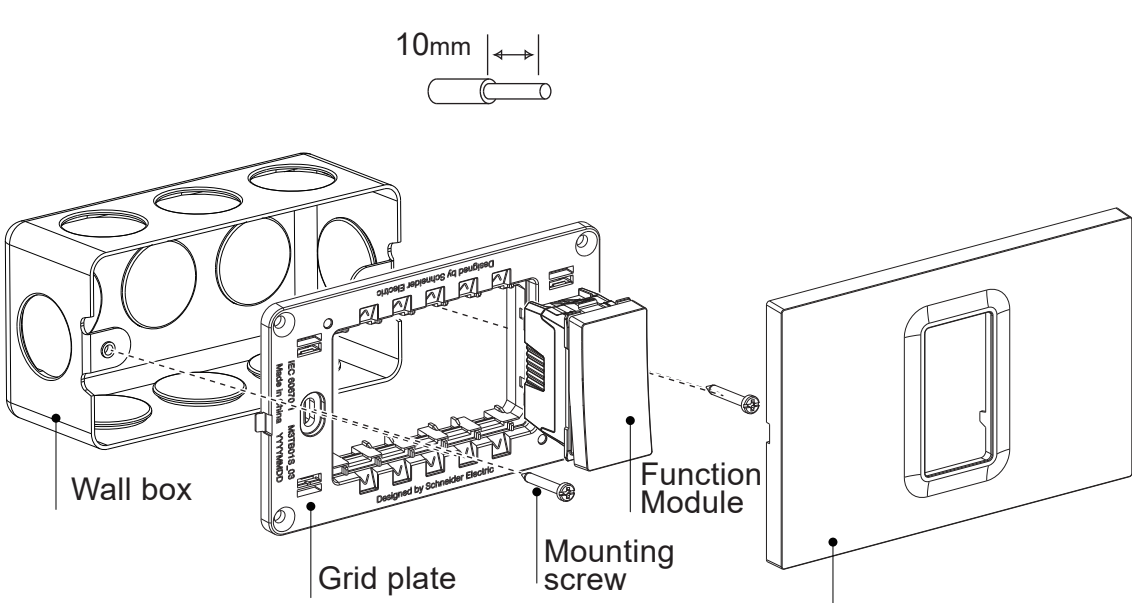
Dimming performance could be affected by different factors such as cable length, wiring conditions, etc., and may generate results different from laboratory testing. Flickering or unstable brightness during the dimming process due to lamp driver upgrades are not covered by the product warranty.

WIRING DIAGRAMS



MOUNTING INSTRUCTION

Please refer to the following diagram for proper installation.

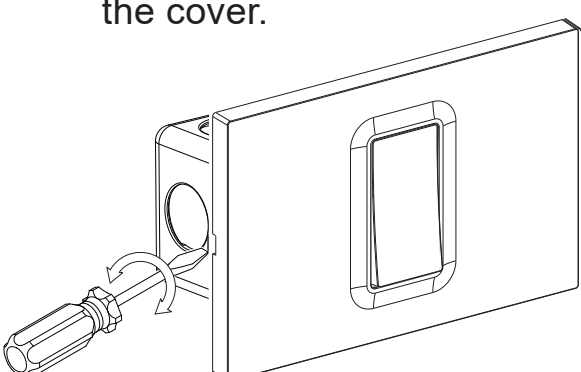


Important Note:

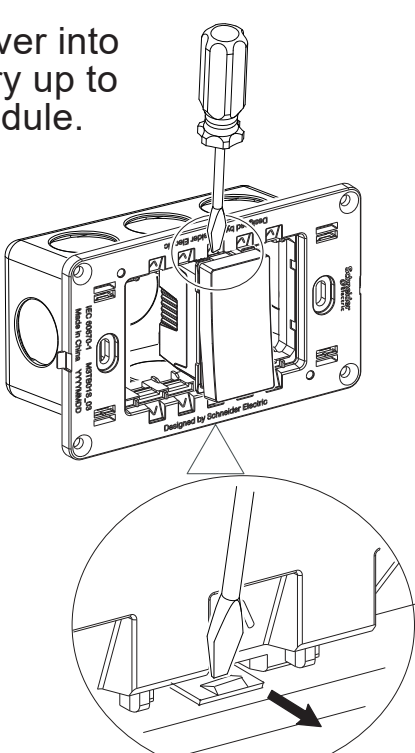
When blank space in grid plate cannot be fully filled in by functional modules, blank cover module(M3TB005CP) must be used to fill in the gap.

The process of releasing the module

- 1** Insert a screwdriver into the clip lock, twist the screwdriver to remove the cover.



- 2** insert screwdriver into the clip lock, pry up to remove the module.



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Cat. No.	Description
M3TB31_DB	Doorbell Buzzer Module 2M Size

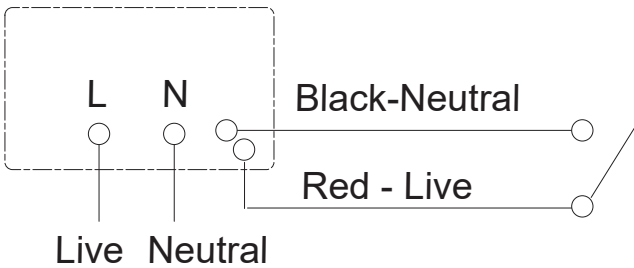
SPECIFICATIONS

Input Voltage : 110-250 V~	Input Current : 0.01 A
Frequency : 50/60 Hz	Mounting centre : 83.5 mm for grid plate

IMPORTANT NOTE

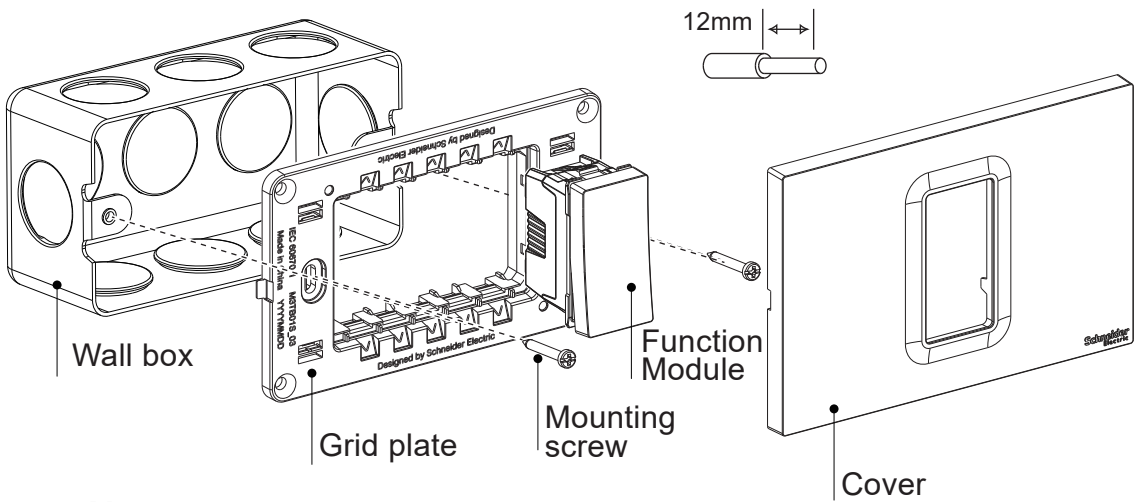
1. The product must be installed by a qualified electrician.
2. Please check your local wiring regulations before installation.
3. Please install with wall box (depth≥35mm) to aid correct operation of the product.
4. Do not make the product surface scratch and dirty before/during installation.
5. Turn off the power supply when cleaning the product. Use a piece of soft and dry cloth to wipe off the dirt and contamination on the surface. Do NOT use corrosive chemicals.
6. Please shield / mask the product before renovation to avoid contamination and degradation.

WIRING DIAGRAMS



MOUNTING INSTRUCTION

Please refer to the following diagram for proper installation.

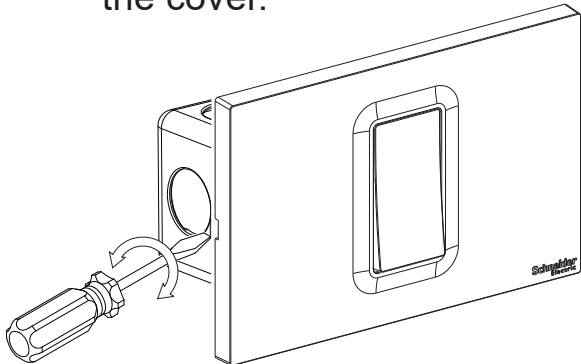


Important Note:

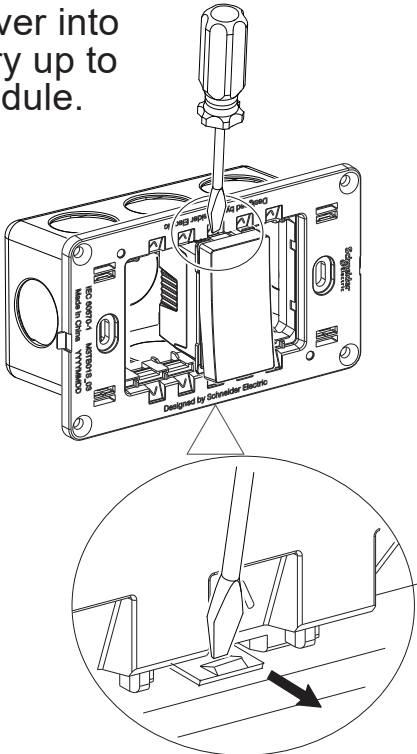
When blank space in grid plate cannot be fully filled in by functional modules, blank cover module(M3TB005CP) must be used to fill in the gap.

The process of releasing the module

- 1
- Insert a screwdriver into the clip lock, twist the screwdriver to remove the cover.



- 2
- insert screwdriver into the clip lock, pry up to remove the module.



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Cat. No.	Description
M3TB01_WP	3 Gang Weather Proof Box
M3TB01_EWP	2 Gang E Size Weather Proof Box
M3TS01WP	Weather Proof Box

SPECIFICATIONS

Dimensions	: M3TB01_WP 118mm(L) X 91mm(W) X 27.1mm(H) : M3TB01_EWP 86mm(L) X 91mm(W) X 27.1mm(H) : M3TS01WP 118mm(L) X 91mm(W) X 27.1mm(H)
Material	: Polycarbonate
Operating Temperature	: Between -5°C to 40°C
Operating Humidity	: <= 95% RH (Room Humidity)
Storage Temperature	: -5°C to 60°C
Storage Humidity	: Between 0% - 95% RH
IP Rating	: IP55

⚠ WARNING

ELECTRIC SHOCK, EXPLOSION OR ARCING HAZARD

- This product must be installed by qualified electricians.
- This product should only be used in accordance with this specification and under the appropriate circumstance, please check your local wiring regulations before installation.
- The power must be disconnected before installation, maintenance or replacement.
- Make sure the product is installed completely and safely before turning on the power.
- Please use with electrical accessories that meet local regulation.

Failure to follow this instruction may result in death or serious injury.

CAUTION

RISK OF DAMAGE DEVICE

- Please install with standard wall box to ensure the product to be used properly.
- Please keep the front cover safe in order to prevent damages before and during installation.
- Ensure the power supply is turned off when cleaning the product. Use a piece of soft and dry cloth to wipe off the dirt and contamination on the surface. Do NOT use corrosive chemicals.
- Shield / mask the product before renovation to avoid contamination and degradation.
- Indoor use only.
- Switch and socket modules are sold separately.
- The product should be installed on a flat wall.

Failure to follow this instruction may result in damage to the device.

MOUNTING INSTRUCTION

1. Open the cover of the weather proof box.
2. Fix the weather proof box on the wall box with mounting screws.
3. Connect the module to the wire, put it into the weather proof box through the buckle.

