Xelent Series Non-Smart Panel

Datasheet

MPSXL-***-NP.1*

Before using this product, please read this datasheet carefully and keep it properly！

Document Version： C

◇◆ Overview

To provide users with better smart home solutions, Xelent Series comes with various non-smart products for solution design.

The product list is as follows:

No.	Product name	Model No.
1	Xelent Series EU Socket	MPSXL-G16-NP.18
2	Xelent Series Waterproof EU Power Socket	MPSXL-G16P-NP.18
3	Xelent Series Italy Socket	MPSXL-I16-NP.18
4	Xelent Series Svizzera Socket	MPSXL-S10-NP.18
5	Xelent Series Universal Socket	MPSXL-U16-NP.18
6	Xelent Series USB and Type-C Wall Outlet	MPSXL-UT-NP.18
7	Xelent Series HDMI and USB Wall Outlet	MPSXL-HU-NP.18
8	Xelent Series 1 Port Telephone Wall Jack	MPPXL-1T-NP.18
9	Xelent Series 1 Port Cable TV Wall Jack	MPVXL-1C-NP.18
10	Xelent Series 1 Port Coax Cable TV-F-Type Wall Jack	MPVXL-1F-NP.18
11	Xelent Series 1 Port Ethernet Wall Jack	MPEXL-1E-NP.18
12	Xelent Series 2 Ports Ethernet Wall Jack	MPEXL-2E-NP.18
13	Xelent Series TV and Ethernet Wall Jack	MPVXL-CE-NP.18
14	Xelent Series Emergency Panel	MPUXL-1EC-NP.18
15	Xelent Series Blank Panel	MPKXL-B-NP.18
16	Xelent Series 1 Button Rocker Switch	MPMXL-1R-NP.18
17	Xelent Series 2 Buttons Rocker Switch	MPMXL-2R-NP.18

Key functions:

1. Signal Panel:

- Xelent Series 1 Port Cable TV Wall Jack provides a coaxial cable signal interface for transmitting signals to TV equipment;

- Xelent Series 1 Port Telephone Wall Jack provides Cat3 telephone signal interface for transmitting signals to telephone devices;

- Xelent Series 1 Port Ethernet Wall Jack/Xelent Series 2 Ports Ethernet Wall Jack provide Cat6 network signal interfaces for transmitting signals to network devices;

- TV and Ethernet panels are paired together on a panel, providing corresponding signal interfaces for the combined devices to transmit signals.
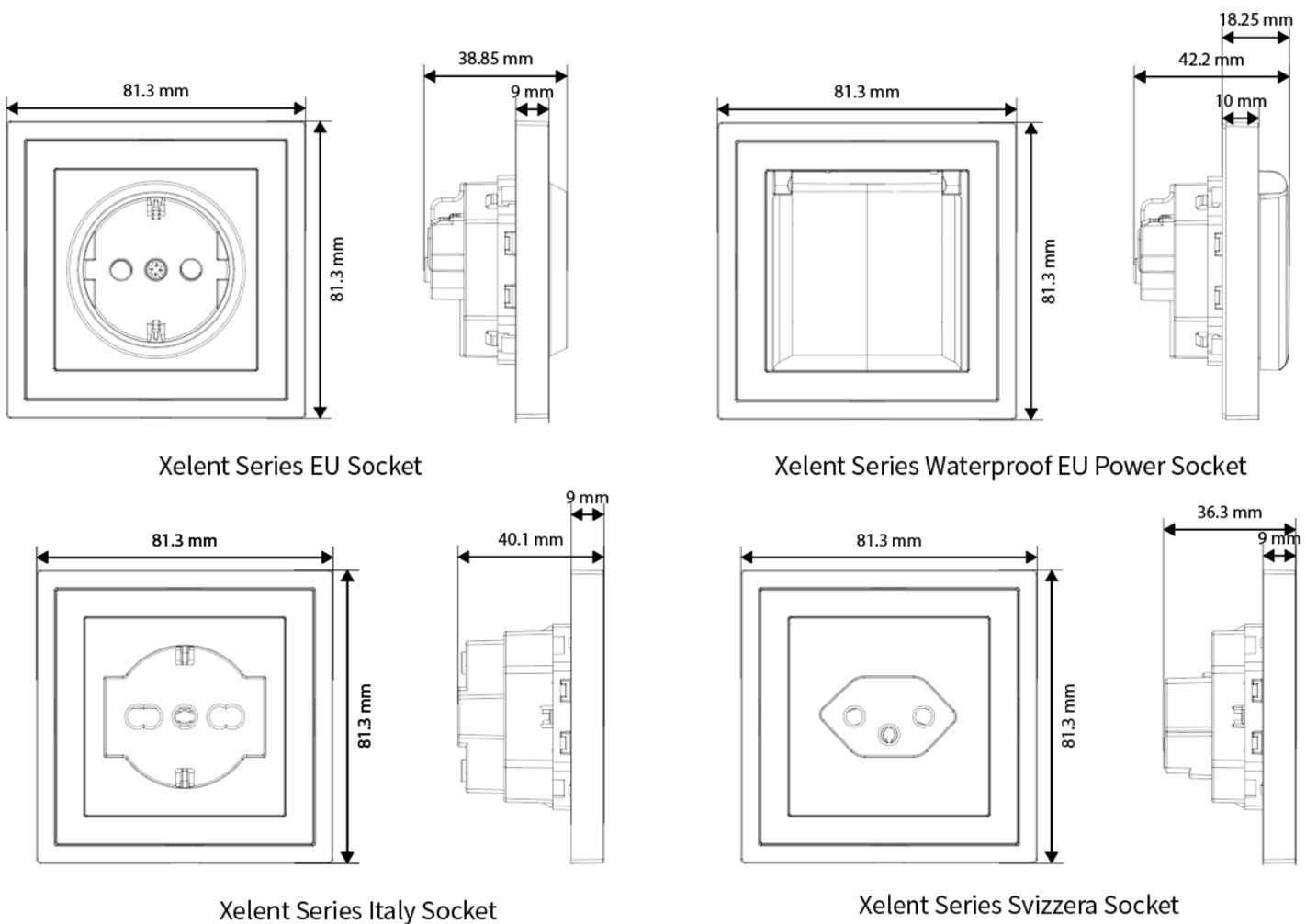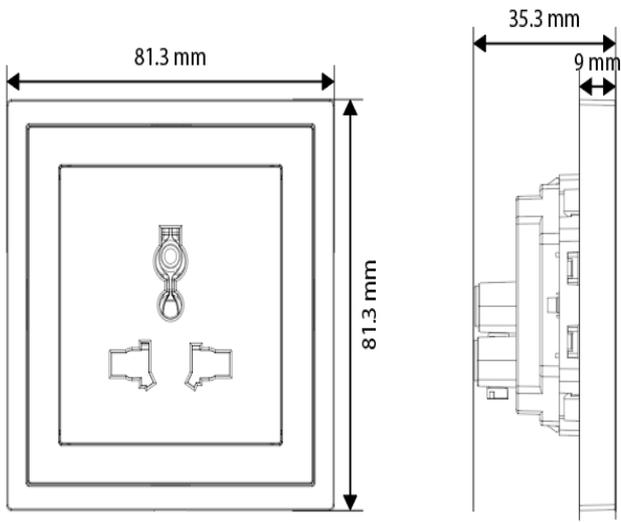
2. Socket Panel:

- Products including **Xelent Series EU Socket**, **Xelent Series Waterproof EU Power Socket** Xelent Series Italy Socket, Xelent Series Svizzera Socket, Xelent Series Universal Socket and **Xelent Series USB and Type-C Wall Outlet**, etc., provide power for related electrical equipment.
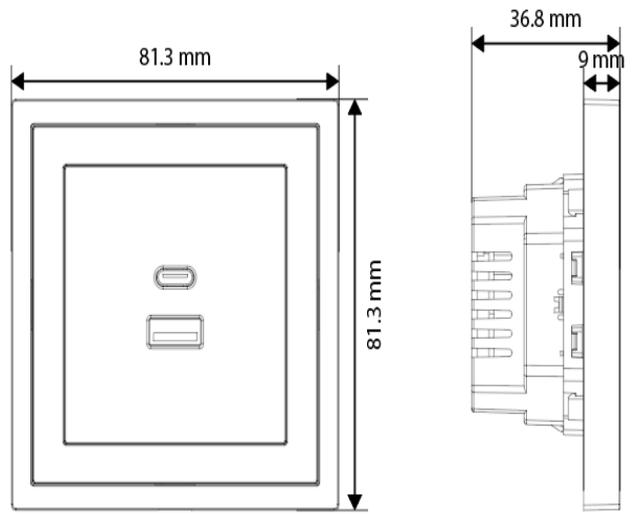
3. Others:

- 1 Button Rocker Switch and 2 Buttons Rocker Switch can be used to enable on/off control of related electrical equipment;
- Xelent Series Emergency Panel is used to warn of danger or seek help, which can be released by resetting the key and button can be reset.
- Xelent Series Blank Panel, used to fill the unnecessary extra 80mm holes.
- Xelent Series HDMI and USB Wall Outlet is used for HDMI and USB signal transmission, generally applied in TV screen casting, USB file playback and other scenes.
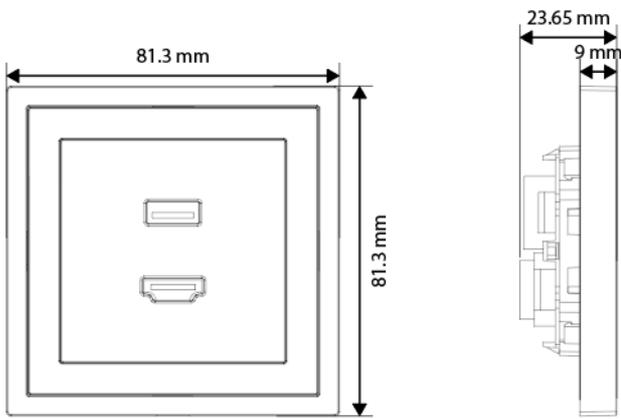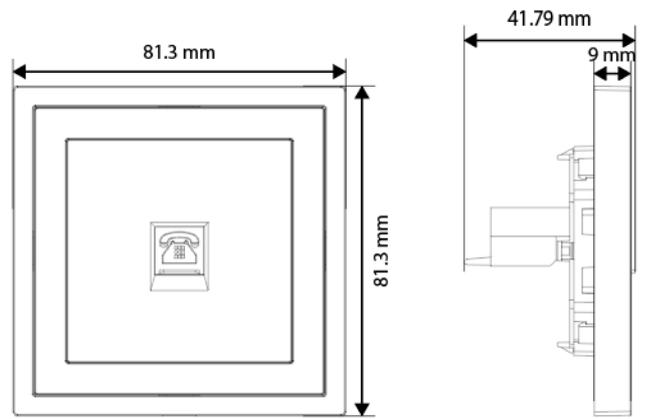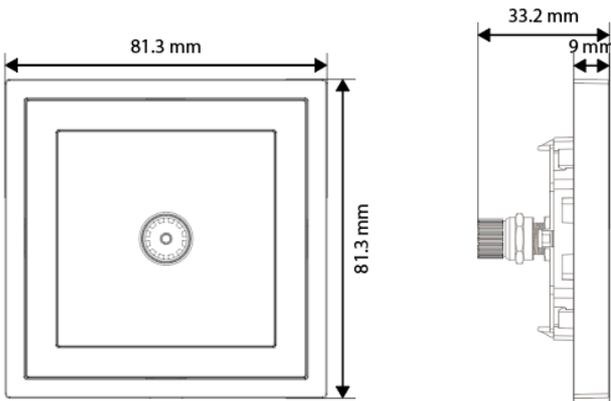
◇◆ Appearance

Xelent Series EU Socket

Xelent Series Waterproof EU Power Socket

Xelent Series Italy Socket

Xelent Series Svizzera Socket

Xelent Series Universal Socket

81.3 mm · 81.3 mm · 35.3 mm · 9 mm

Xelent Series USB and Type-C Wall Outlet

81.3 mm · 81.3 mm · 36.8 mm · 9 mm

Xelent Series HDMI and USB Wall Outlet

81.3 mm · 81.3 mm · 23.65 mm · 9 mm

Xelent Series 1 Port Telephone Wall Jack

81.3 mm · 81.3 mm · 41.79 mm · 9 mm

Xelent Series 1 Port Cable TV Wall Jack

81.3 mm · 81.3 mm · 33.2 mm · 9 mm

Xelent Series 1 Port Coax Cable TV-F-Type Wall Jack

81.3 mm · 81.3 mm · 47.56 mm · 9 mm

81.3 mm

81.3 mm

41.6 mm

9 mm

Xelent Series 1 Port Ethernet Wall Jack

81.3 mm

81.3 mm

41.6 mm

9 mm

Xelent Series 2 Ports Ethernet Wall Jack

81.3 mm

81.3 mm

41.6 mm

9 mm

Xelent Series TV and Ethernet Wall Jack

81.3 mm

81.3 mm

35.5 mm

9 mm

Xelent Series Emergency Panel

81.3 mm

81.3 mm

14 mm

9 mm

Xelent Series Blank Panel

81.3 mm

81.3 mm

14.3 mm

33.2 mm

9 mm
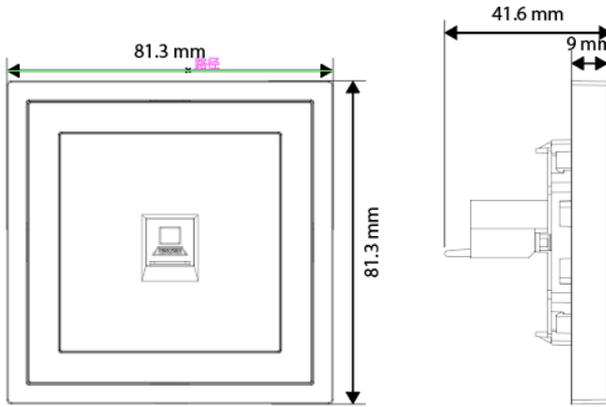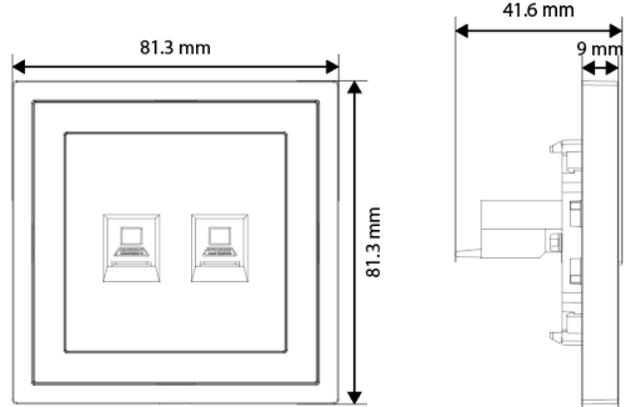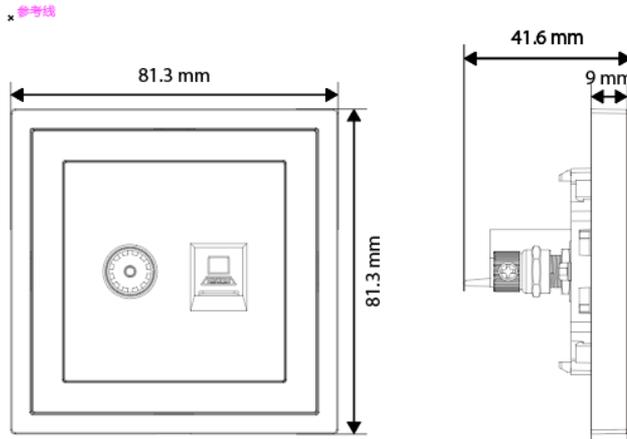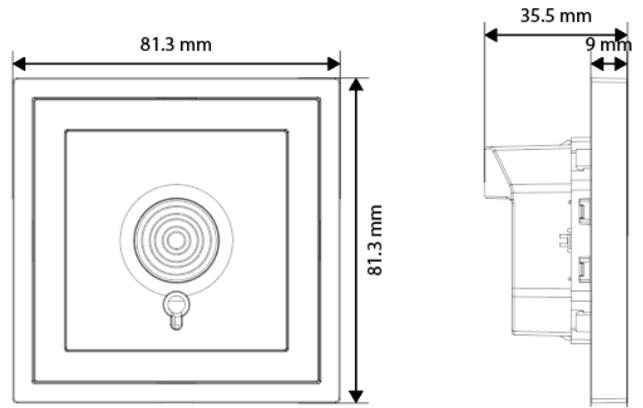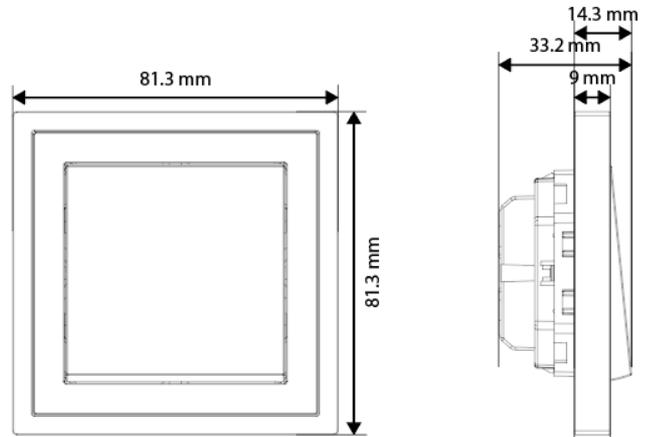
Xelent Series 1 Button Rocker Switch
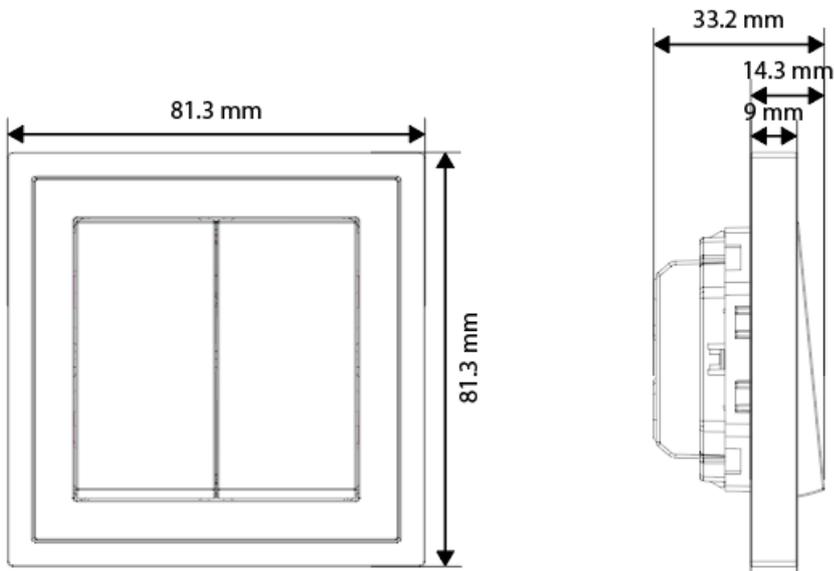
Xelent Series 2 Buttons Rocker Switch

◇◆ Technical Data

1. Signal Panel

1.1 TV Panel

Item	Parameter
Product type	Coaxial cable F-head(Xelent Series 1 Port Coax Cable TV-F-Type Wall Jack), RF interface (Xelent Series 1 Port Cable TV Wall Jack)
Working temperature	-5℃~45℃
Working relative humidity	≤90%RH, non-condensed
Storage temperature	-20℃~60℃
Storage relative humidity	≤93%RH

1.2 Xelent Series 1 Port Telephone Wall Jack

Item	Parameter
Communication	Unshielded Cat3 cable
Working temperature	-5℃~45℃
Working relative humidity	≤90%RH, non-condensed
Storage temperature	-20℃~60℃
Storage relative humidity	≤93%RH

1.3 Xelent Series 1 Port Ethernet Wall Jack/Xelent Series 2 Ports Ethernet Wall Jack

Item	Parameter
Communication	Unshielded Cat6 cable
Communication interface	RJ45 port
Working temperature	-5℃~45℃
Working relative humidity	≤90%RH, non-condensed
Storage temperature	-20℃~60℃
Storage relative humidity	≤93%RH

1.4 Xelent Series TV and Ethernet Wall Jack

Item	Parameter
Communication	Ethernet: unshielded Cat6 cable; TV: RF interface(Xelent Series 1 Port Cable TV Wall Jack)
Communication interface	RJ45 port, RF interface
Working temperature	-5℃~45℃
Working relative humidity	≤90%RH, non-condensed
Storage temperature	-20℃~60℃
Storage relative humidity	≤93%RH

1.5 Xelent Series HDMI and USB Wall Outlet

Item	Parameter
Communication	HDMI signal transmission, USB 2.0 signal transmission (cannot be used as a charging port)
Working temperature	-5℃~45℃
Working relative humidity	≤90%RH, non-condensed
Storage temperature	-20℃~60℃
Storage relative humidity	≤93%RH

2. Socket

2.1 Xelent Series EU Socket

Item	Parameter
Rated voltage	250V~ 50/60Hz
Rated current	16A
Working temperature	-5℃~45℃

Working relative humidity	≤90%RH, non-condensed
Storage temperature	-20℃~60℃
Storage relative humidity	≤93%RH

2.2 Xelent Series Waterproof EU Power Socket

Item	Parameter
Rated voltage	250V~ 50/60Hz
Rated current	16A
Waterproof grade	IP44
Working temperature	-5℃~45℃
Working relative humidity	≤90%RH, non-condensed
Storage temperature	-20℃~60℃
Storage relative humidity	≤93%RH

2.3 Xelent Series Universal Socket

Item	Parameter
Rated voltage	250V~ 50/60Hz
Rated current	16A
Working temperature	-5℃~45℃
Working relative humidity	≤90%RH, non-condensed
Storage temperature	-20℃~60℃
Storage relative humidity	≤93%RH

2.4 Xelent Series USB and Type-C Wall Outlet

Item	Parameter
Rated voltage	250V~ 50/60Hz
Rated current	10A
Output power	Output power: 20W MAX.; USB-A output: 5V DC/3A, 9V DC/2A, 12V DC/1.5A; Type-C output: 5V DC/3A, 9V DC/2.22A, 12V DC/1.67A; USB-A+Type-C dual port total output: 5V DC/3A MAX.
Working temperature	-5℃~45℃
Working relative humidity	≤90%RH, non-condensed
Storage temperature	-20℃~60℃
Storage relative humidity	≤93%RH

2.5 Xelent Series Italy Socket

Item	Parameter
Rated voltage	250V~ 50/60Hz
Rated current	16A
Working temperature	-5℃~45℃
Working relative humidity	≤90%RH, non-condensed
Storage temperature	-20℃~60℃
Storage relative humidity	≤93%RH

2.6 Xelent Series Svizzera Socket

Item	Parameter
Rated voltage	250V~ 50/60Hz
Rated current	10A
Working temperature	-5℃~45℃
Working relative humidity	≤90%RH, non-condensed
Storage temperature	-20℃~60℃
Storage relative humidity	≤93%RH

3. Others

3.1 Xelent Series Emergency Panel

Item	Parameter
Communication	Passive dry contact
Working temperature	-5℃~45℃
Working relative humidity	≤90%RH, non-condensed
Storage temperature	-20℃~60℃
Storage relative humidity	≤93%RH

3.2 Switch Panel (1 Button Rocker Switch/2 Buttons Rocker Switch)

Item	Parameter
Rated voltage	250V~ 50/60Hz
Rated current	10A/CH
Working temperature	-5℃~45℃

Working relative humidity	≤90%RH, non-condensed
Storage temperature	-20℃~60℃
Storage relative humidity	≤93%RH

◇◆ Specifications

1. Signal Panel

1.1 TV Panel

Item	Parameter
Dimensions (W X H X D)	Xelent Series 1 Port Coax Cable TV-F-Type Wall Jack: 81.3x81.3x47.56mm(Frame included); Xelent Series 1 Port Cable TV Wall Jack: 81.3x81.3x33.2mm(Frame included)
Net weight	Xelent Series 1 Port Coax Cable TV-F-Type Wall Jack: PC 74.2g, Metal 89.8g; Xelent Series 1 Port Cable TV Wall Jack: PC 52.3g, Metal 67.9g
Housing material	PC/Metal
Installation	European standard wall box/ American standard wall box/ Swiss standard wall box
IP degree (compliant with EN 60529)	IP20

1.2 Xelent Series 1 Port Telephone Wall Jack

Item	Parameter
Dimensions (W X H X D)	81.3x81.3x41.8mm(Frame included)
Net weight	PC: 49.6g, Metal: 65.2g
Housing material	PC/Metal
Installation	European standard wall box/ American standard wall box/ Swiss standard wall box
IP degree (compliant with EN 60529)	IP20

1.3 Xelent Series 1 Port Ethernet Wall Jack/Xelent Series 2 Ports Ethernet Wall Jack

Item	Parameter
Dimensions (W X H X D)	81.3x81.3x41.6mm(Frame included)

Net weight	Xelent Series 1 Port Ethernet Wall Jack: PC 51.6g, Metal 67.2g; Xelent Series 2 Ports Ethernet Wall Jack: PC 53.6g, Metal 69.3g
Housing material	PC/Metal
Installation	European standard wall box/ American standard wall box/ Swiss standard wall box
IP degree (compliant with EN 60529)	IP20

1.4 Xelent Series TV and Ethernet Wall Jack

Item	Parameter
Dimensions (W X H X D)	81.3x81.3x41.6mm(Frame included)
Net weight	PC: 47g, Metal: 62.6g
Housing material	PC/Metal
Installation	European standard wall box/ American standard wall box/ Swiss standard wall box
IP degree (compliant with EN 60529)	IP20

1.5 Xelent Series HDMI and USB Wall Outlet

Item	Parameter
Dimensions (W X H X D)	81.3x81.3x23.65mm(Frame included)
Net weight	PC: 55.8g, Metal: 71.4g
Housing material	PC/Metal
Installation	European standard wall box/ American standard wall box/ Swiss standard wall box
IP degree (compliant with EN 60529)	IP20

2. Socket

2.1 Xelent Series EU Socket

Item	Parameter
Dimensions (W X H X D)	81.3x81.3x38.85mm(Frame included)
Net weight	PC: 67.4g, Metal: 83g
Housing material	PC/Metal
Installation	European standard wall box/ American standard wall box/ Swiss standard wall box

Item	Parameter
IP degree (compliant with EN 60529)	IP20

2.2 Xelent Series Waterproof EU Power Socket

Item	Parameter
Dimensions (W X H X D)	81.3x81.3x42.2mm(Frame included)
Net weight	
Housing material	PC/Metal
Installation	European standard wall box/ American standard wall box/ Swiss standard wall box
IP degree (compliant with EN 60529)	IP44

2.3 Xelent Series Universal Socket

Item	Parameter
Dimensions (W X H X D)	81.3x81.3x35.3mm(Frame included)
Net weight	PC: 69.9g, Metal: 85.5g
Housing material	PC/Metal
Installation	European standard wall box/ American standard wall box/ Swiss standard wall box
IP degree (compliant with EN 60529)	IP20

2.4 Xelent Series USB and Type-C Wall Outlet

Item	Parameter
Dimensions (W X H X D)	81.3x81.3x36.8mm(Frame included)
Net weight	PC: 73g, Metal: 88.6g
Housing material	PC/Metal
Installation	European standard wall box/ American standard wall box/ Swiss standard wall box
IP degree (compliant with EN 60529)	IP20

2.5 Xelent Series Italy Socket

Item	Parameter

Dimensions (W X H X D)	81.3x81.3x40.1mm(Frame included)
Net weight	PC: 78.8g, Metal: 94.4g
Housing material	PC/Metal
Installation	European standard wall box/ American standard wall box/ Swiss standard wall box
IP degree (compliant with EN 60529)	IP20

2.6 Xelent Series Svizzera Socket

Item	Parameter
Dimensions (W X H X D)	81.3x81.3x36.3mm(Frame included)
Net weight	PC: 68g, Metal: 83.6g
Housing material	PC/Metal
Installation	European standard wall box/ American standard wall box/ Swiss standard wall box
IP degree (compliant with EN 60529)	IP20

3. Others

3.1 Xelent Series Emergency Panel

Item	Parameter
Dimensions (W X H X D)	81.3x81.3x35.5mm(Frame included)
Net weight	PC: 62.2g, Metal: 77.8g
Housing material	PC/Metal
Installation	European standard wall box/ American standard wall box/ Swiss standard wall box
IP degree (compliant with EN 60529)	IP20

3.2 Switch Panel(1 Button Rocker Switch/2 Buttons Rocker Switch)

Item	Parameter
Dimensions (W X H X D)	1 Button: 81.3x81.3x33.09mm(Frame included) 2 Buttons: 81.3x81.3x33.09mm(Frame included)
Net weight	1 Button: PC 50g, Metal 65.6g 2 Buttons: PC 62g, Metal 77.6g

Housing material	PC/Metal
Installation	European standard wall box/ American standard wall box/ Swiss standard wall box
IP degree (compliant with EN 60529)	IP20

3.3 Xelent Series Blank Panel

Item	Parameter
Dimensions (W X H X D)	81.3x81.3x14mm(Frame included)
Net weight	PC: 36g, Metal: 51.6g
Housing material	PC/Metal
Installation	European standard wall box/ American standard wall box/ Swiss standard wall box
IP degree (compliant with EN 60529)	IP20

◇◆ Safety Precaution

Danger:

Please do not privately disassemble or replace any parts of the product. Otherwise, it may cause mechanical fault, electric shock, fire or personal injuries.

Warning：

- The installation and testing for the product must be carried out by HDL Automation Co., Ltd. (hereinafter referred to as HDL) or its appointed service agencies. The electric construction shall comply with local laws and safety regulations.
- HDL will not be responsible for any consequence caused by the inexpert or faulty installation and wiring methods, which are not in accordance with the instructions contained in this datasheet.
- Please contact HDL after-sales departments or our designated service agencies for your maintenance service. Product failures caused by private disassembly are not subject to the warranty.
- For permanently connected equipment, a double-pole switch that meets standard requirements should be installed in the electrical facilities of the building.

Caution：

- Before performing any installation or disassembly procedures on the device, it is crucial to disconnect the device from all voltage sources. This step is necessary to ensure the safety of the technician and prevent any potential damage to the

device.

- This device must be installed with a wall box.

- To protect the device and load, it is recommended to connect one 10A/16A circuit breaker to each channel.

- Do not use corrosive liquid to wipe the device body, especially the interface, so to avoid damage to the device. Do not wipe the device with a damp cloth.

- Before performing any maintenance or cleaning procedures on the device, it is imperative to disconnect the device from all voltage sources. This precautionary measure is necessary in order to prevent electric leakage and the risk of electric shock.

◇◆ Wiring

Wire according to marking on the power interface:

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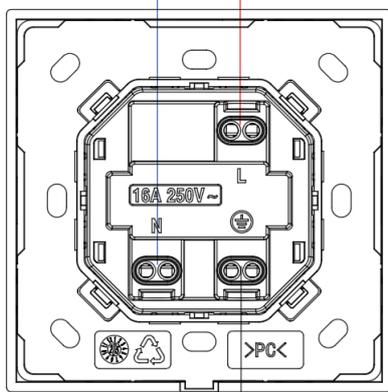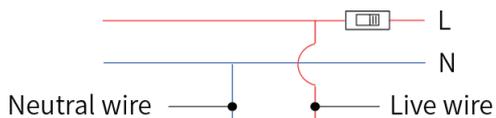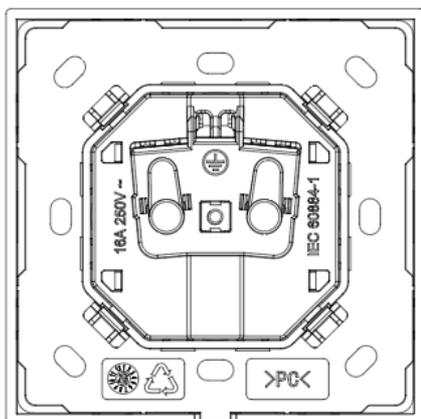
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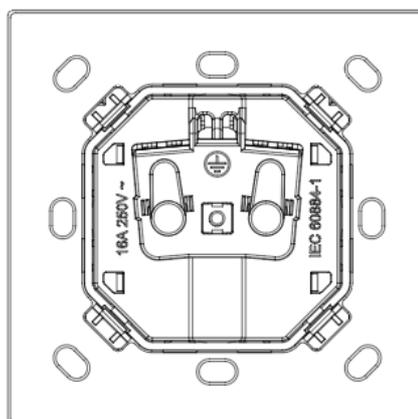
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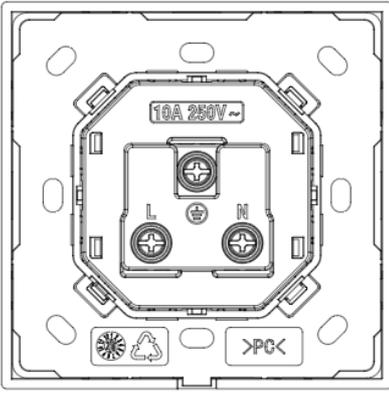
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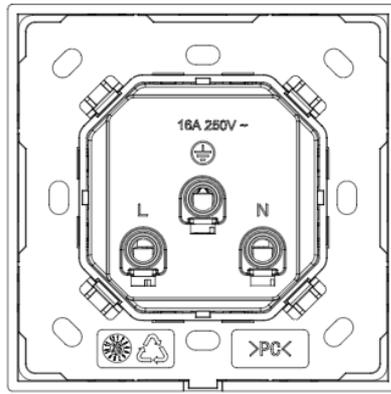
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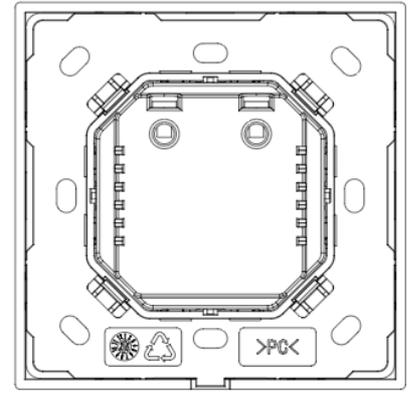
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Wall Outlet
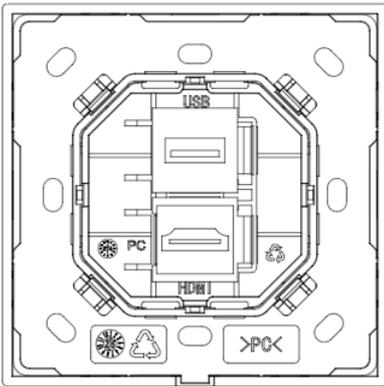
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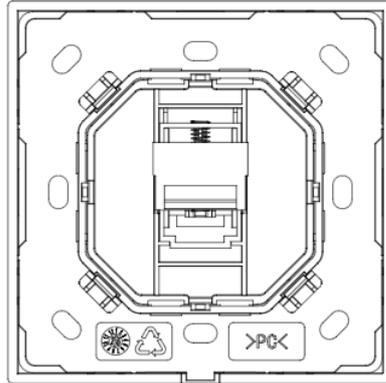
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Wall Jack
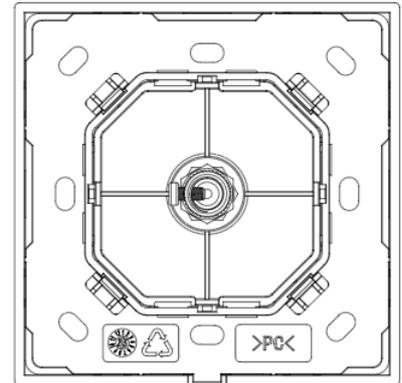
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Wall Jack
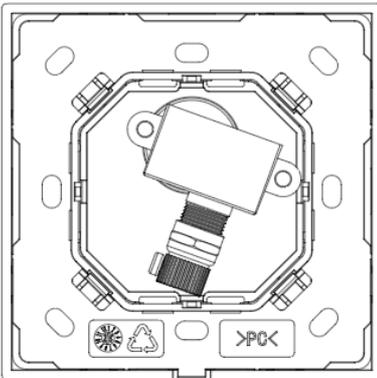
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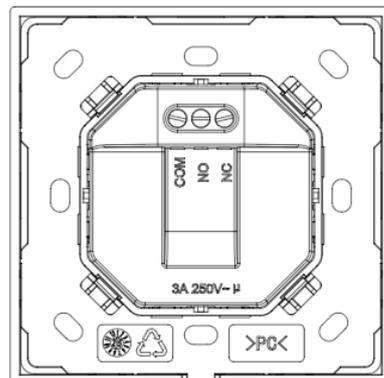TV-F-Type Wall Jack
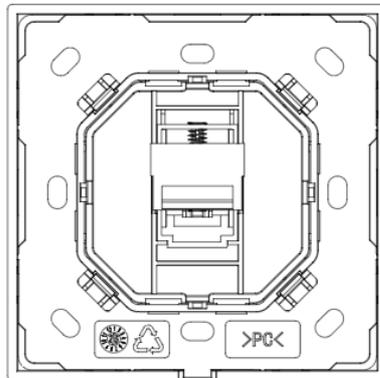
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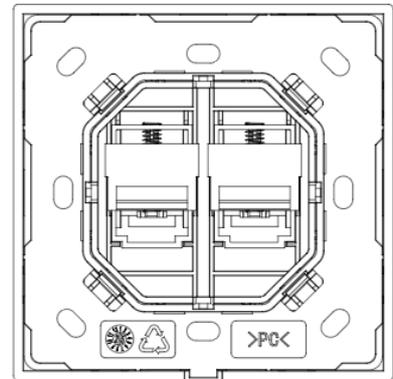
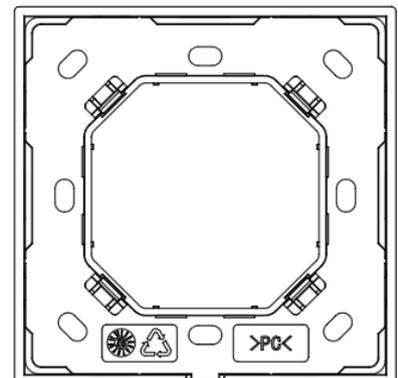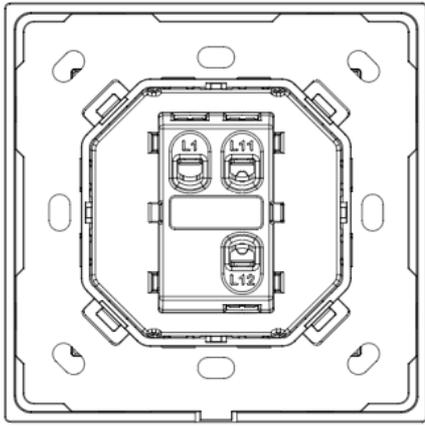Xelent Series 2 Ports Ethernet
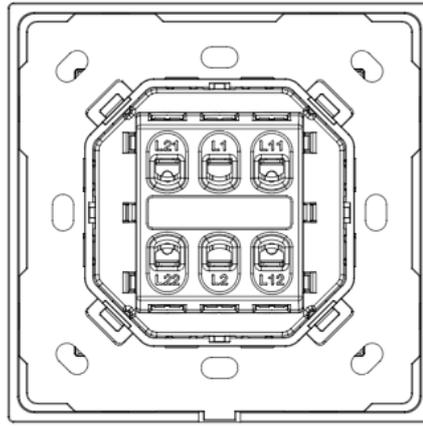Wall Jack
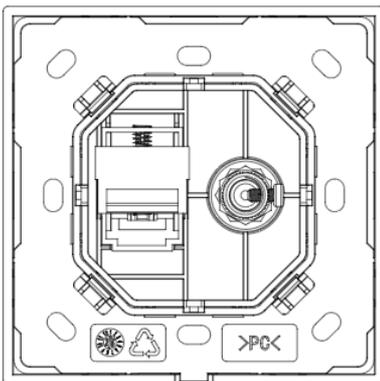
Xelent Series TV and Ethernet
Wall Jack

Xelent Series Emergency Panel

Xelent Series Blank Panel

Xelent Series 1 Button Rocker
Switch

Xelent Series 2 Buttons Rocker
Switch

◇◆ Installation

- **Warning:** Before installation, please cut off the power supply, it is strictly prohibited to operate with electricity.

- **Note:** Before installation, if the bracket has not been separated from the panel assembly, please refer to the disassembly

  instructions.

- **Caution:** Disconnect the power supply before installation and do not operate with electricity.

Step 1. Install the wall box in the wall and lead out cable. Connect the cables, and pay attention to safe and reliable wiring.

Note:

- The the depth of wall box should not be less than 50mm

- Please refer to the Specifications for the installation type of the wall box.

Step 2. Insert the panel bottom module into the frame. Then, align the screws on both sides of the frame, which already fixed

with panel bottom module, with the holes on the wall box, then install and secure the screws together.

**Step 3.** Fix the panel cover part onto the base module.
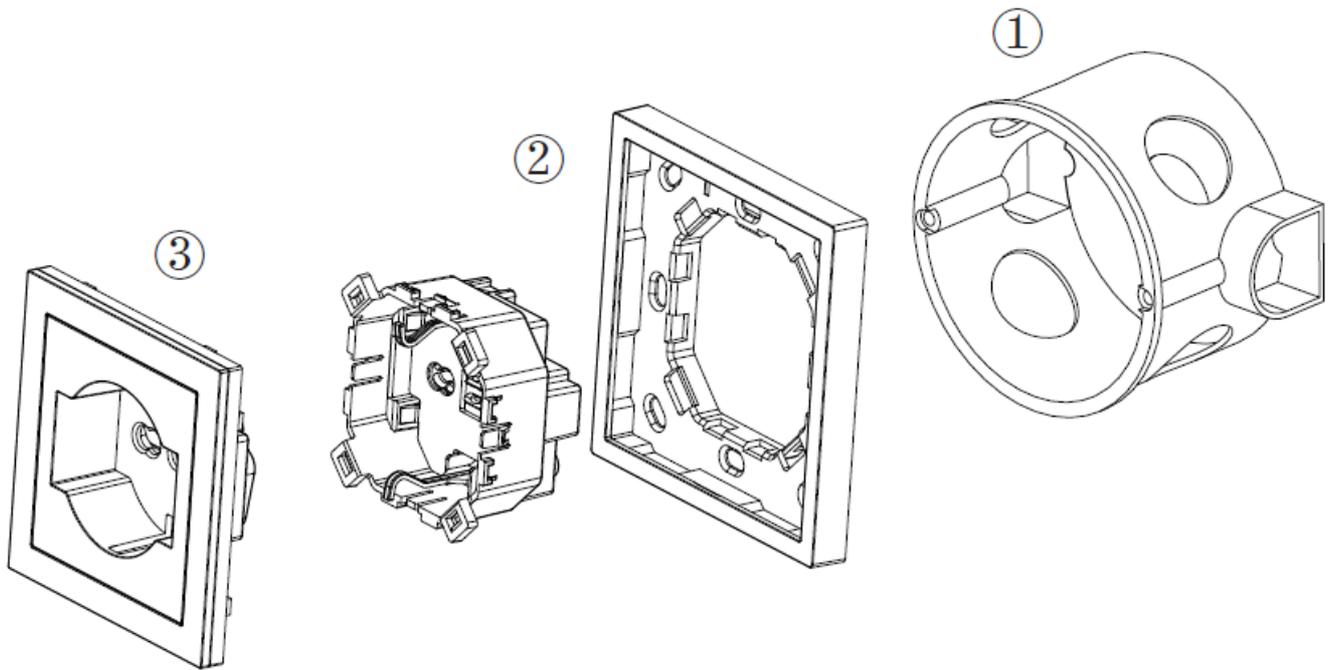
Multi-gang installation:

- Supports horizontal and vertical installation;

- Horizontal installation supports up to 4 rows;

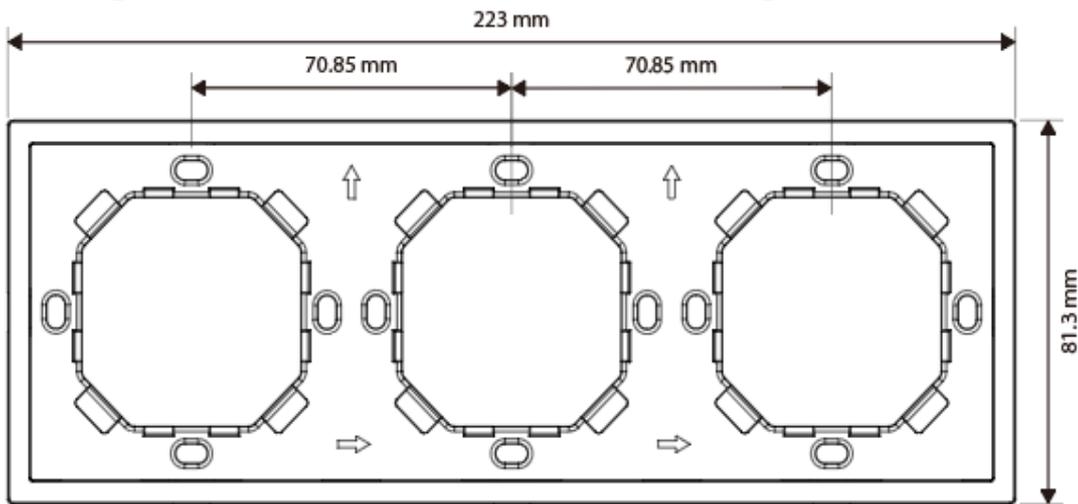- Vertical installation supports up to 4 columns.

European standard

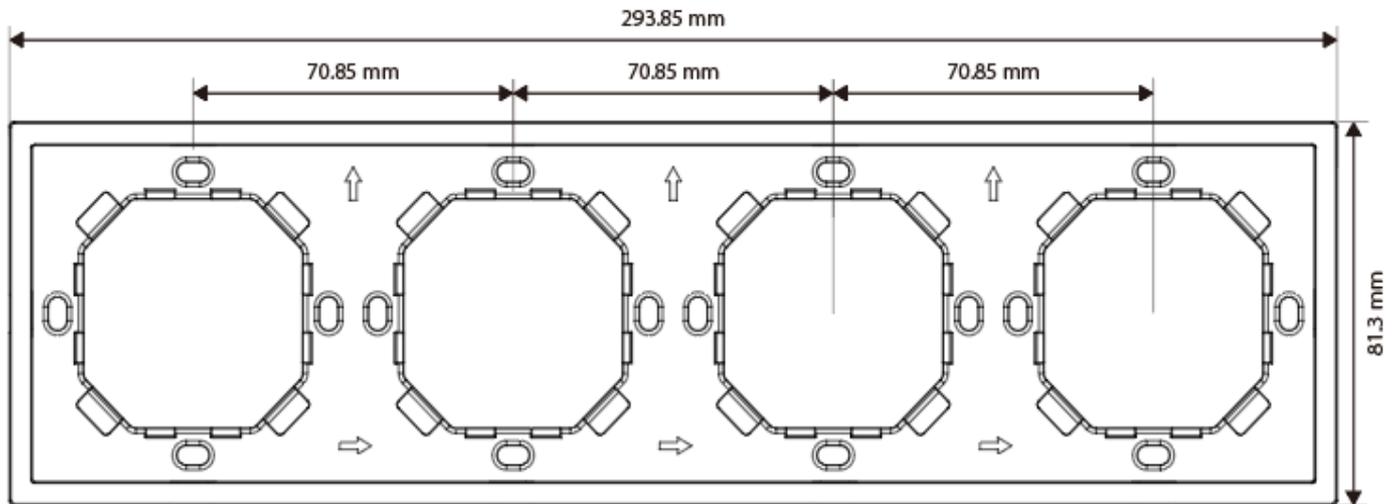| Frame type	Installation direction	Gang number	Size
PC	Horizontal/Vertical	1	81.3*81.3*9(mm)
		2	152.15*81.3*9(mm)
		3	223*81.3*9(mm)
		4	293.85*81.3*9(mm)
Metal	Horizontal/Vertical	1	81.3*81.3*9(mm)
		2	152.15*81.3*9(mm)
		3	223*81.3*9(mm)
		4	293.85*81.3*9(mm)
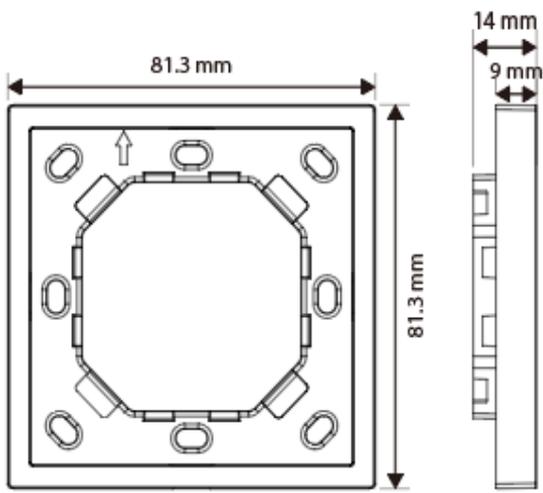
1Gang Panel Frame EU
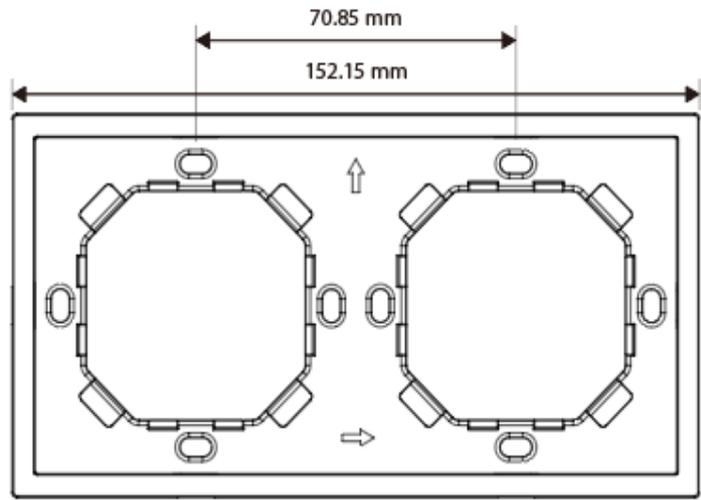
2 Gangs Panel Frame EU (Horizontal)

3 Gangs Panel Frame EU (Horizontal)
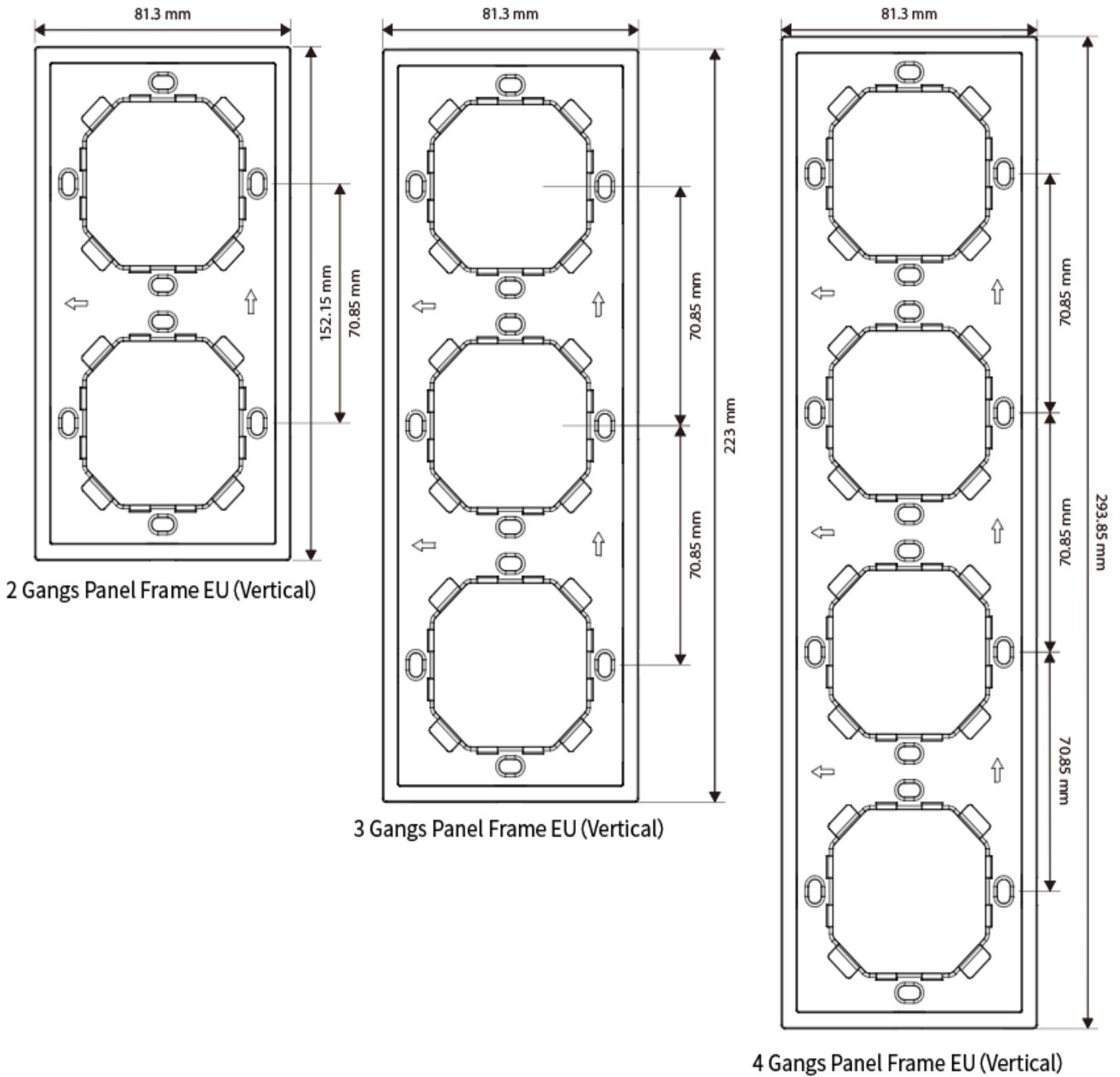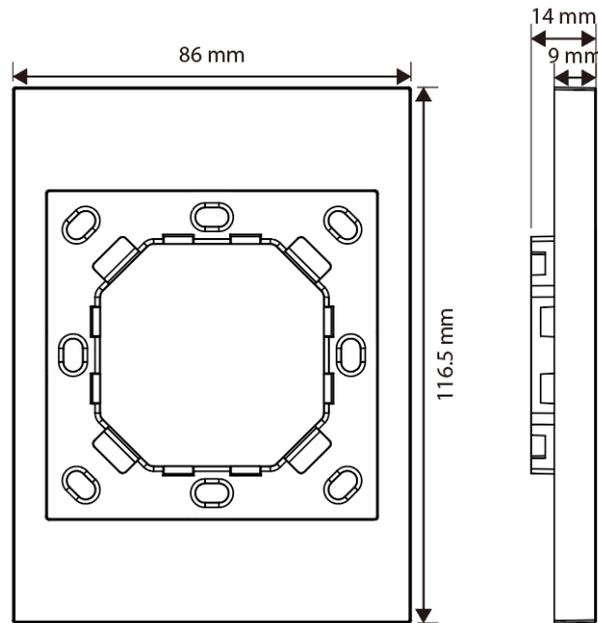
4 Gangs Panel Frame EU (Horizontal)

2 Gangs Panel Frame EU (Vertical)

3 Gangs Panel Frame EU (Vertical)

4 Gangs Panel Frame EU (Vertical)

American standard

Frame type	Installation direction	Gang number	Size
PC	Horizontal	1	86*116.5*9(mm)
Metal	Horizontal	1	86*116.5*9(mm)

86 mm

116.5 mm

14 mm

9 mm

◇◆ Disassembly

Warning: Before performing any disassembly procedures on the device, it is crucial to disconnect the device from all voltage sources. This step is necessary to ensure the safety of the technician and prevent any potential damage to the device.

Step 1. Use a straight screwdriver, insert it into the notch on the panel base plate, rotate it 90° after insertion, then pry open the panel frame.

Step 2. To remove the panel and power base, please refer to the section Installation and do it reversely.
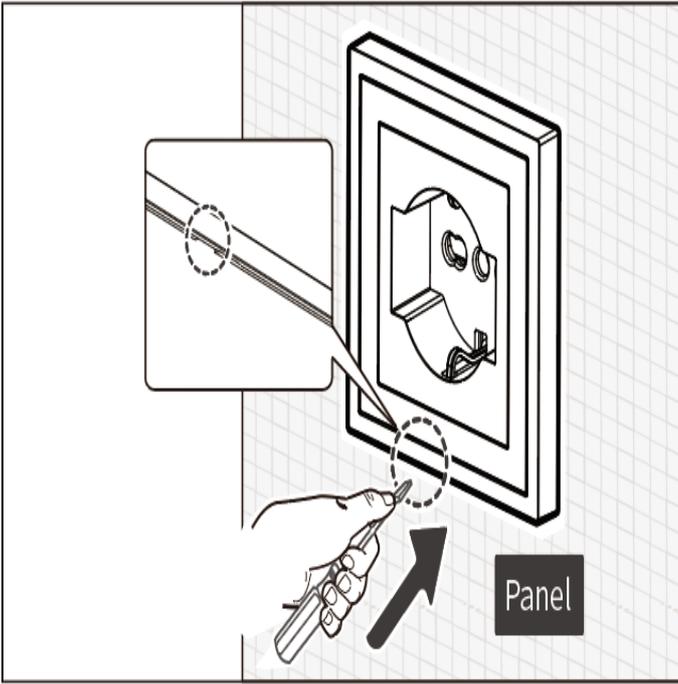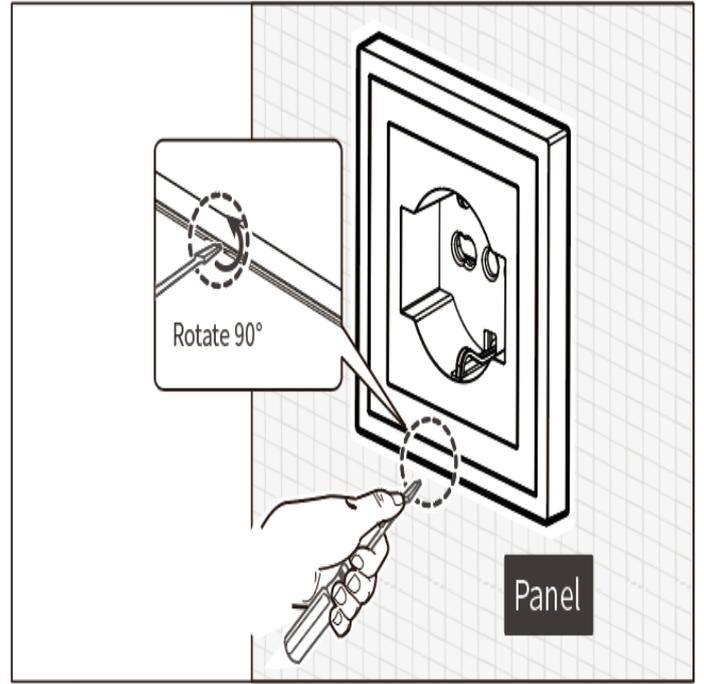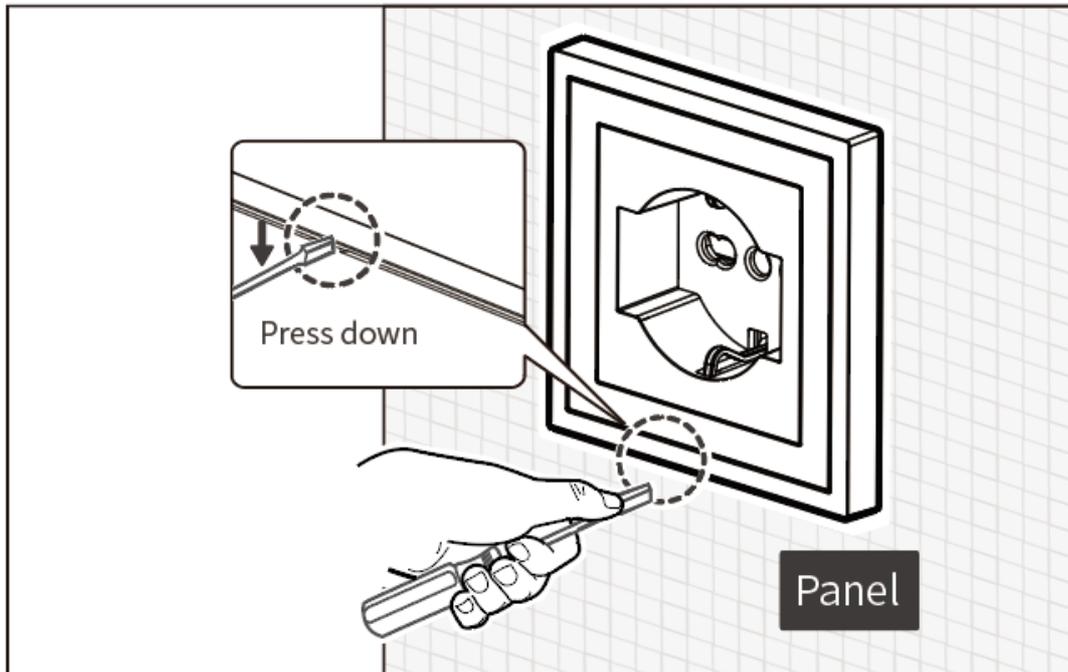
Figure 9

Figure 10

Figure 11

◇◆ Packing List

No.	Product name	Model No.	Packing list
1	Xelent Series Emergency Panel	MPUXL-1EC-NP.18	Panel*1 / M4*40mm long screw*2 / M4*25mm short screw*2/Key*1
2	Xelent Series Blank Panel	MPKXL-B-NP.18	Panel*1 / M4*40mm long screw*2 / M4*25mm short screw*2
3	Xelent Series 1 Button Rocker Switch	MPMXL-1R-NP.18	Panel*1 / M4*40mm long screw*2 / M4*25mm short screw*2

4	Xelent Series 2 Buttons Rocker Switch	MPMXL-2R-NP.18	Panel*1 / M4*40mm long screw*2 / M4*25mm short screw*2
5	Xelent Series 1 Port Ethernet Wall Jack	MPEXL-1E-NP.18	Panel*1 / M4*40mm long screw*2 / M4*25mm short screw*2
6	Xelent Series 2 Ports Ethernet Wall Jack	MPEXL-2E-NP.18	Panel*1 / M4*40mm long screw*2 / M4*25mm short screw*2
7	Xelent Series TV and Ethernet Wall Jack	MPVXL-CE-NP.18	Panel*1 / M4*40mm long screw*2 / M4*25mm short screw*2
8	Xelent Series Universal Socket	MPSXL-U16-NP.18	Panel*1 / M4*40mm long screw*2 / M4*25mm short screw*2
9	Xelent Series HDMI and USB Wall Outlet	MPSXL-HU-NP.18	Panel*1 / M4*40mm long screw*2 / M4*25mm short screw*2
10	Xelent Series 1 Port Telephone Wall Jack	MPPXL-1T-NP.18	Panel*1 / M4*40mm long screw*2 / M4*25mm short screw*2
11	Xelent Series 1 Port Coax Cable TV-F-Type Wall Jack	MPVXL-1F-NP.18	Panel*1 / M4*40mm long screw*2 / M4*25mm short screw*2
12	Xelent Series 1 Port Cable TV Wall Jack	MPVXL-1C-NP.18	Panel*1 / M4*40mm long screw*2 / M4*25mm short screw*2
13	Xelent Series EU Socket	MPSXL-G16-NP.18	Panel*1 / M4*40mm long screw*2 / M4*25mm short screw*2
14	Xelent Series Waterproof EU Power Socket	MPSXL-G16P-NP.18	Panel*1 / M4*40mm long screw*2 / M4*25mm short screw*2/Waterproof silicone gasket*1
15	Xelent Series USB and Type-C Wall Outlet	MPSXL-UT-NP.18	Panel*1 / M4*40mm long screw*2 / M4*25mm short screw*2
16	Xelent Series Italy Socket	MPSXL-I16-NP.18	Panel*1 / M4*40mm long screw*2 / M4*25mm short screw*2
17	Xelent Series Svizzera Socket	MPSXL-S10-NP.18	Panel*1 / M4*40mm long screw*2 / M4*25mm short screw*2

◇◆ Copyright Statement

Update History:

The form below contains the information of every update. The latest version contains all the updates of all former versions.

Version	Update Information	Date
V1.0	Initial release	January 15, 2026

◇◆ Technical Support

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