Parameter

Electric Parameters:	
Working power	AC85-270V
Frequency	50/60Hz
Output	3 channels
Output current	1A/CH Total current should not exceed 2A
Fuse	4A , aR type ,
Terminal	Wago 236

Environmental Conditions:	
Working temperature	-5℃~45℃
Working relate Humidity	Up to 90%
Storage Temperature	-20℃~+60℃
Storage relative Humidity	Up to 93%

Approved:
CE
RoHS

Production Information:	
Dimension	83.5×83.5×36.8(mm)
Weight	128g
Housing material	Inflaming retarding Nylon
Installation	GI Wall-BOX
Protection degree	IP20

Installation Step

- Make sure the load supports dimming, and the current does not exceed 1A.
- Connect power supply cable.
- Make sure the lamps meet the minimum load power requirement, 30W. If the connected load is less than 30W, it needs to connect the constant current module in parallel to provide enough working current for panel.
- Connect load cable to three output terminals.
- Make sure there is no short circuit.
- Use screw fixation HDL-MPWPI03.18 in GI wall-BOX.
- Put the wireless device into wireless power interface.

Overview
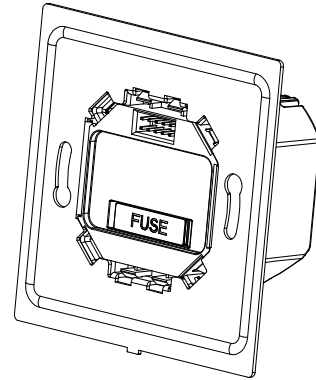
HDL-MPWPI03.18 wireless power interface, which supplies DC5V power for wireless panel. It has the function of dimming and switch.
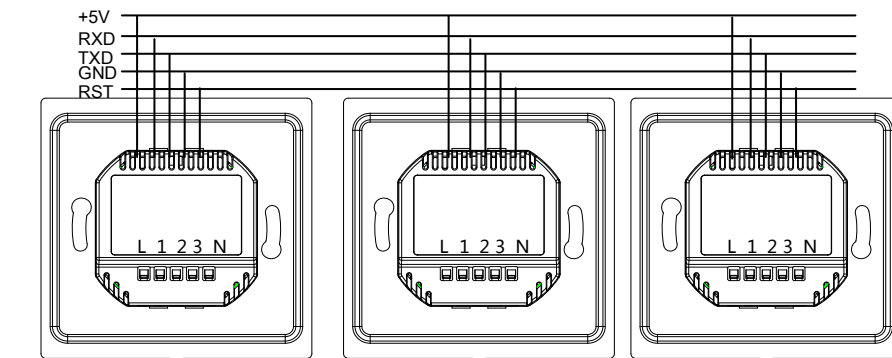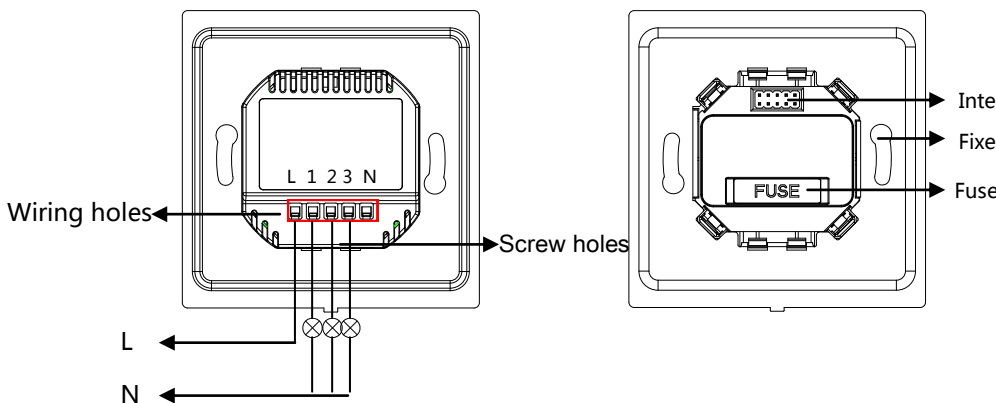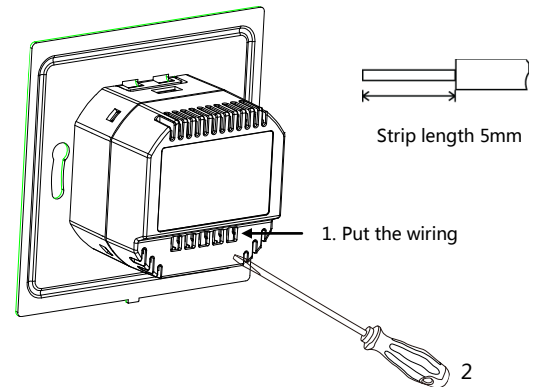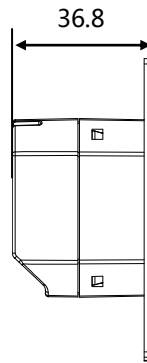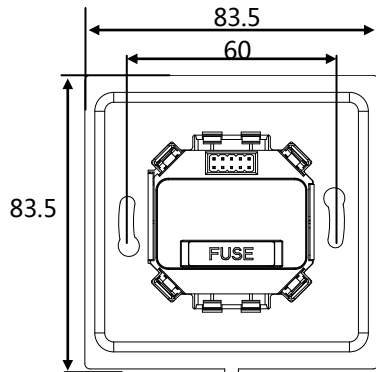
Functions

- Supplies DC5V power for wireless panels.
- 1CH MOSFET Dimmer Dimming/Switch
- 2CH TRIAC Dimming/Switch
- Short circuit protection
- Over heating protection

Important Notes

- The module must work with other wireless devices
- Each channel output current is 1A, total current does not exceed 2A.
- The channel 1 cannot connect these load types: transformer, fan, inductive ballast lamp, and dimming, etc.
- It cannot make sure that dims all kinds of lamps, but it can control all switches.
- Recommend channel 1 load types: electronic transformer, LED Driver. It can reduce noise in dimming mode
- Fuse must be aR type, and current does not exceed 4A.

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Layout and Wiring

83.5
60
83.5

36.8

FUSE

Strip length 5mm

1. Put the wiring

2

Wiring holes

L 1 2 3 N

Screw holes

L

N

Interface
Fixed hole
Fuse

FUSE

+5V
RXD
TXD
GND
RST

L 1 2 3 N   L 1 2 3 N   L 1 2 3 N

Wiring steps:

1. Put the wires into the wring holes.
2. Insert a slotted screwdriver into the screw holes, and then tighten the screws.

Loads requirements

1. To provide working voltage for the devices, channel 1 must be connected to the load.
2. Recommended loads for channel 1: Electronic transformer, LED driver etc. It can reduce the noise in dimming mode. Inductive load is not allowed.
3. Channel 2 and 3 are Triac dimming.

Multiple wireless power interface can be in parallel, then the panel (such as DLP) can control all channels. Shown as above, the terminal connection should avoid any mistakes.

Safety attention ⚠ WARNING

- Each channel output current is 1A, total current does not exceed 2A.
- The device cannot switch off the load completely. During overhauling or replacing the lamps and fuses, the device must be cut the AC power supply.
- Fuse must be aR type, and current does not exceed 4A
- The channel 1 is forbidden to connect to inductive load.
- Ensure good ventilation
- Avoid contact with liquids and aggressive gases

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