HDL®

Datasheet

Wireless Power Interface
HDL-MPWPIR03.18-A
HDL-MPWPIR03.16-A

Parameters

Electrical Parameters:	
Product name	Fire and null wire for 3CH relay
Product number	HDL-MPWPIR03.18-A HDL-MPWPIR03.16-A
Working voltage	AC85-270V 50/60Hz
Output channel	3CH relay
Output current	3A 250VAC(resistive load) 2A 250VAC(capacitive load)
Mechanical life time of relay	1×10^7 times
Electronic life time of relay	1×10^5 times
Fuse	10A
Environmental Conditions:	
Working temperature	-5℃~45℃
Working relative humidity	<90%
Storage temperature	-20℃~+60℃
Storage relative humidity	<93%
Approved:	
CE	
RoHS	
Product Information:	
Dimensions	80×80×39(mm)(EU) 80×110.5×39(mm)(US)
Weight	128g/138g
Housing material	Inflaming relative nylon, iron
Installation	wall box (the depth of wall box should not less than 45mm)
Protection rating	IP20
Fire and null wire	1~2.5mm² copper cable
Load wire	1~2.5mm² copper cable

FAQ

- The wireless power interface cannot supply the power, the panel cannot work properly:
  1.Firstly, separate panel and power, and install again, then check
  2.If the panel cannot work properly, to check the wireless power interface wiring is loose or not.
  3.Check the fuse.
  4.Use the multimeter to measure the voltage of the power interface and panel interface. If the voltage is not DC5V (±1V), the wireless power interface is wrong.
- Because of relay sticking, wireless power interface should be replaced if relay channel keep turn on always.

Overview

HDL– MPWPIR03.18-A/MPWIR03.16-A Wireless power interface, which is fire and null wire for relay, works with wireless panel, and has 3CH relay output.

Functions

- Supply DC5V power for wireless panels
- 3 relay output channel
- Power protection

Installation Steps

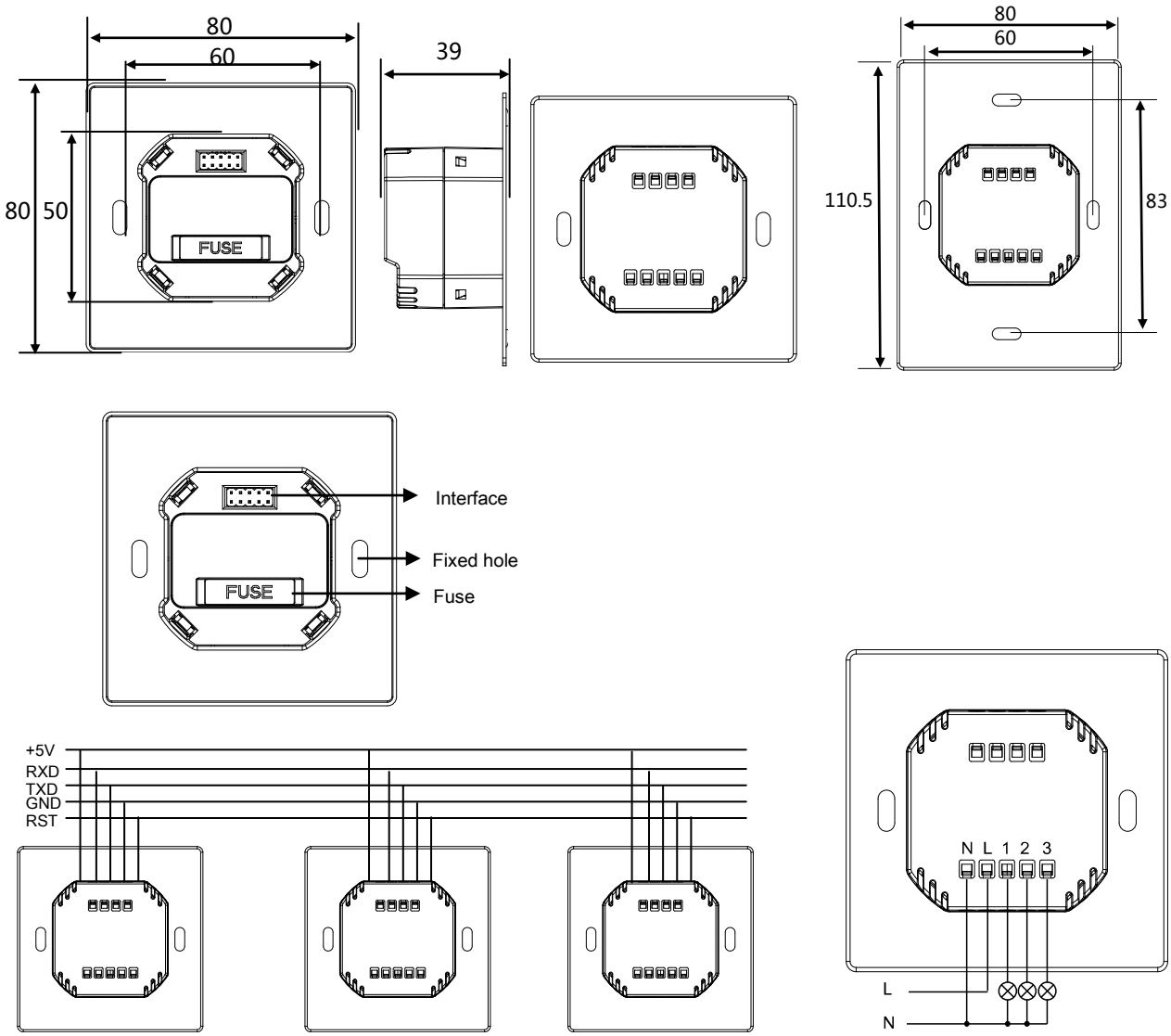
- Make sure the working current
- Connect to the load, make sure there is no short circuit
- Connect to the power supply
- Fix the power interface by screw in EU/US wall box
- Put the wireless panel into wireless power interface

Important Notes

- The module must work with wireless panel
- The output current cannot exceed 3A
- If need to repair or change the load and fuse, must switch off the power completely
- Recommended load type and power:

Inductive transformer:	337 W
Electronic transformer:	375 W
Halogen lamp 220V:	650 W
Incandescent lamp load:	650W
Fluorescent lamp T5/T8	
*Uncompensated luminaire:	650W
*Parallel compensated:	375W
*DUO lamp:	375W
DULUX lamp	
*Uncompensated luminaire:	280W
*Parallel compensated:	280W

Layout and Wiring



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 Precautions

WARNING

- If need to repair or change the lamp and fuse, must switch off the power completely
- Output current cannot exceed the rated current
- Ensure good ventilation
- Do not let the module come into contact with liquids or corrosive gases.

Package contents

- Wireless power interface *1 / Datasheet*1/Screw*2

Contact us

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