HDL-MPWPIR03.18(16)-A

3CH Wireless Switch Power Interface EU(US) (L+N Type)

buspro WIRELESS

Datasheet

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File Edition: A

Figure 1. HDL-MPWPIR03.18-A

Figure 2. HDL-MPWPIR03.16-A

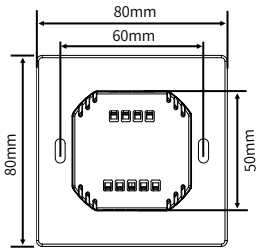

Figure 3. Dimensions - Back View (EU)

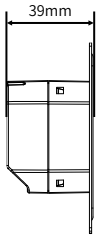

Figure 4. Dimensions - Side View

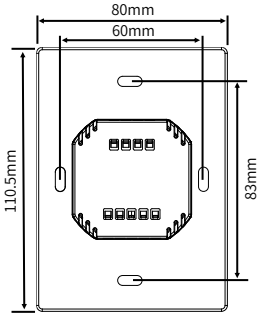

Figure 5. Dimensions - Back View (US)

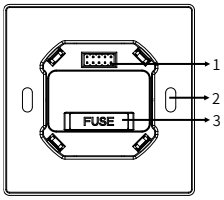

Figure 6. Components - Front View

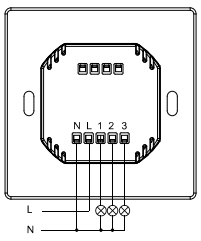

Figure 7. Wiring (1)

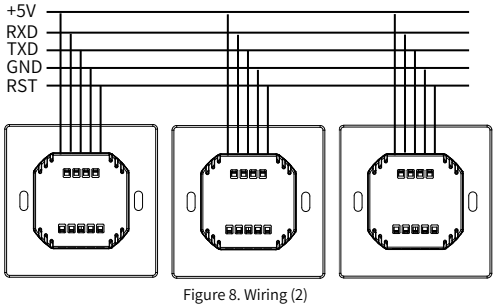

Figure 8. Wiring (2)

Overview

3CH Wireless Switch Power Interface EU(US) (L+N Type) (See Figure 1 - 2) is used in conjunction with the wireless panel and provides working voltage for wireless panel. The power interface supports 3CH relay output and can be divided into two specifications: European standard and American standard.

Functions

- Provides 5V DC working voltage for wireless panels.
- 3 wireless relay output channels.
- Power protection.

Components and Operation

Dimensions - See Figure 3 - 5

Components - See Figure 6

1. Interface: Connects to the panel

2. Hole for fixing screw

3. Fuse

Wiring - See Figure 7 - 8

Note: The wiring diagram takes the 3CH Wireless Dimming Power Interface (EU) as an example. As shown in Figure 8, multiple wireless power interfaces can be connected in parallel and all channels are controlled by a multi-button panel, for example DLP panel. The terminals must be connected correctly.

FAQ

- If The wireless power interface cannot supply power and the panel cannot work properly, please try following operations:

1. Separate the panel and wireless power interface, and install again, then check.
2. If the panel still does not work properly, check if the power interface wiring is loose.
3. Check if the wireless power interface fuse is damaged.
4. Use universal meter to measure the voltage of the wireless power interface and panel. If the voltage is not DC5V (±1V), then the wireless power interface is damaged.

- When the relay is always on, it is possible that the relay is stuck, and you need to replace the power interface.

Important Notes

- The wireless power interface must work in conjunction with wireless panel.
- The output current cannot exceed 2A.
- The newly replaced fuse must be the same type of 10A fuse.
- The power must be completely disconnected when servicing or replacing lamps and fuses.

Safety Precautions

- This device does not completely shut down the lights and other loads, so the power input to the device must be completely disconnected when servicing or replacing the lights and fuse.
- The installation and testing for the product must be carried out by HDL Automation Co., Ltd. or its appointed service agencies. The electric construction shall comply with local laws and safety regulations.
- The device should be installed in wall box. 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 operating instruction.
- Please do not privately disassemble or replace any parts of the product. Otherwise, it may cause mechanical fault, electric shock, fire or personal injuries.
- Please contact our after-sales departments or our designated service agencies for your maintenance service. Product failures caused by private disassembly are not subject to this warranty.

Package Contents

HDL-MPWPIR03.18(16)-A*1 / Datasheet*1 / Screw*4 (Long screw*2 and short screw*2)

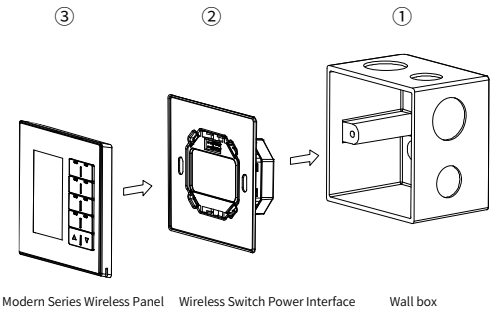

Figure 9. Installation

Technical Data

Basic Parameters	
Input voltage	AC100~240V, 50/60Hz
Output channel	3 relay channels
Output current	2A/CH (resistive load) 1A/CH (capacitive load)
Mechanical life time of relay	1×10^5 times
Electronic life time of relay	1×10^5 times
Fuse	10A, aR type
External Environment	
Working temperature	-5°C~45°C
Working relative humidity	⩽90%
Storage temperature	-20°C~60°C
Storage relative humidity	⩽93%
Specifications	
Dimensions	80×80×39 (mm) (EU) 80×110.5×39 (mm) (US)
Net weight	128g (EU) 138g (US)
Housing material	Flame-retardant nylon, iron
Installation	Wall box (See Figure 9) (The depth of the wall box is not less than 45mm.)
Protection rating (Compliant with EN60529)	IP20
Fire and neutral wire	2.5mm² copper cable
Load wire	2.5mm² copper cable
Approved	
CE	
RoHS	

Installation

Installation - See Figure 9

Step ①: Install the wall box in the wall.

Step ②: Fix the power interface onto the wall box with screws.

Step ③: Hold the edge of the panel, and insert the panel in the slots of power interface vertically.

Technical support

E-mail: hdltickets@hdlautomation.com

Website: https://www.hdlautomation.com

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