HDL®

Parameters

Electrical Parameters:

Working voltage	DC5V (from wireless power interface)
Power consumption	45mA/DC5V
Wireless transmit power	+10dbm
Wireless receive sensitivity	-90dbm
Indoor communication distance	30m(barrier free)
RSSI receive signal intensity	>-80dbm
Factory frequency	Band, PSK (Suggestion: your setting should not be same as the factory setting)

Environmental Conditions:

Working temperature	-5℃~45℃
Working relative humidity	Up to 90%
Storage temperature	-20℃~+60℃
Storage relative humidity	Up to 93%

Approved

CE
RoHS

Product Information:

Dimensions	86×86×10.5 (mm)
Weight	
Housing material	Glass, ABS, PC
Installation	Wireless power interface, EU wall box
Protection degree	IP20

Wireless central frequency:

(China) WPAN	780MHz to 786MHz
(Europe) SRD	864MHz to 870MHz
(North America)	904MHz to 928 MHz
Default band	780MHz
Default PSK	HDL-SecurityKey0

Important Notes

- It must work in conjunction with wireless power interface (be installed in wall box).
- The subnet ID of panel must be same as the subnet ID of mesh gateway.
- Check all connection after installation.
- Installation - 86*86 wall box.

Overview

HDL-MP04R-RF.18 Wireless panel, embedded with RGB LED backlight for each button, the color of each state is available for the button via setting in HDL Buspro configuration tools software

Functions

- Key Mode: Single on/off, Single on, Single off, Combination on, Combination off, Combination on/off, Double click single on/off, Double click combination on/off, Inching, Short/long press, Short press/long inching.
- Key Control Type: Scene, Sequence, Timer Switch, Universal switch, Single channel lighting control, Broadcast scene, Broadcast channel, Curtain Control, GPRS Control, Panel Control, Security Module, Z-audio Control, Universal Control, Link Page, DALI Area Dimmer, RGB Control, Logic Light Adjust, Logic Scene, etc.
- The wireless power interface provides the working voltage. And the panel can control four wireless power interfaces at the same time.
- It uses wireless communication, and it must work in conjunction with wireless power interface.
- It has key lock, mutually exclusive and key linkage.
- Indicator intensity is adjustable.
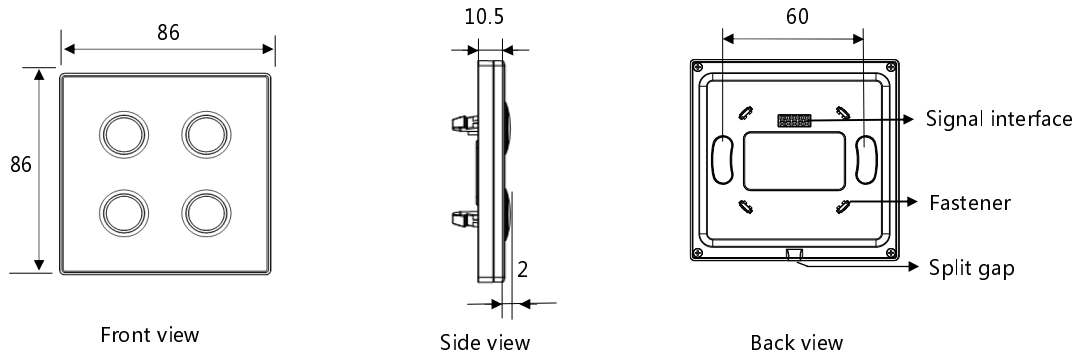- Supports online upgrading.

Safety Precautions ⚠ WARNING

- The screw down strength should not exceed 0.1Nm.
- Mounting position: Indoor.
- Avoid the rain or water into the module, it will damage this device.

Installation Steps

- Mount the wireless power interface in the wall box.
- Put this device into wireless power interface.

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Dimensions and Wiring

Front view | Side view | Back view

Signal interface
Fastener
Split gap

Subnet ID and device ID setting: The subnet ID and device ID should be modified in the mesh gateway. Keep pressing any button for 25s, it will enter the gateway setting mode. Now, you can modify the subnet ID and device ID of the panel in the HDL BUS Pro Setup Tool. (It must be same as the subnet ID of mesh gateway.)

Targets and parameters: When you finish setting, you can search the panel, and then, set the targets and parameters.

Button: On/off.

Button indicator: Indicates the status of the controlled target. On – Status on; Off – Status off.

Address modification: If you want to modify, the panel should finish the gateway setup mode. Keep pressing any button for about 15S, and then all LED indicators will flash together, use HDL-Bus pro Setup Tool to modify the address (Address management->Modify address), then press any button will exit program mode.

Signal interface and fastener: Connect to power interface.

Split gap: Insert a slotted screwdriver to the split gap, separate the panel and power module.

Installation

Panel | Panel power interface | EU wall BOX | Separate panel and power interface
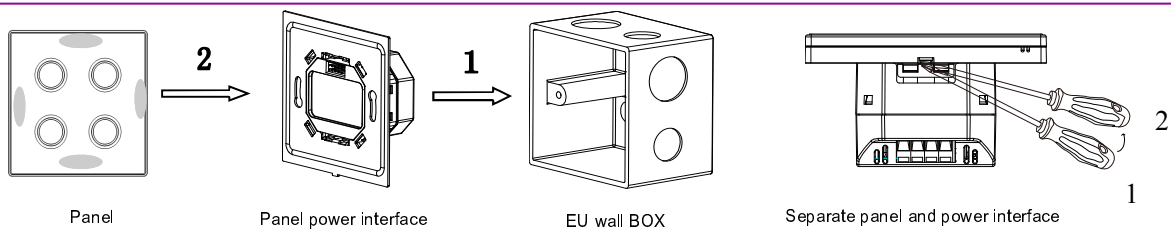
Installation: Hold the edge of panel, (shown as above), insert the power interface module vertically. Do not push the panel too hard.

Split: Insert a 2.5mm-screwdriver to the split gap, pry up from position 1 to 2, then the wiring hole will open. Then separate the panel and wireless power interface.

Wall box: For convenience of the wiring installation, the wall box should be deeper than the power interface.

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