Parameters

Electrical Parameters	
Input voltage	AC85-265V , 50/60Hz
Output current	12A (Resistive load) 6A(capacitive load)
Power consumption	0.41W max.
Wireless transmission power	+10dbm
Wireless sensitivity	-90dbm
Indoor communication distance	<=30m
RSSI Received Signal Strength Indication	>-80dbm

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

Environmental Conditions	
Working temperature	-5℃~45℃
Working relative humidity	<90%
Storage temperature	-20℃~+60℃
Storage relative humidity	<93%

Approved	
CE	
RoHS	

Product Information	
Dimensions	44x36x17(mm)
Weight	38.9g
Housing material	PC
Installation	Wall box
Protection degree	IP20
Fire and null wire	1.5mm² (the module provides 15cm wire)
Load cable	1.5mm² (the module provides 15cm wire)
Stripping length	5~7mm

Important Notes

- This module must be used in conjunction with wireless gateway
- Connection - Check the connection, avoid short circuit
- When power on, cannot touch the power, load and dry contact terminal, avoid the electric shock
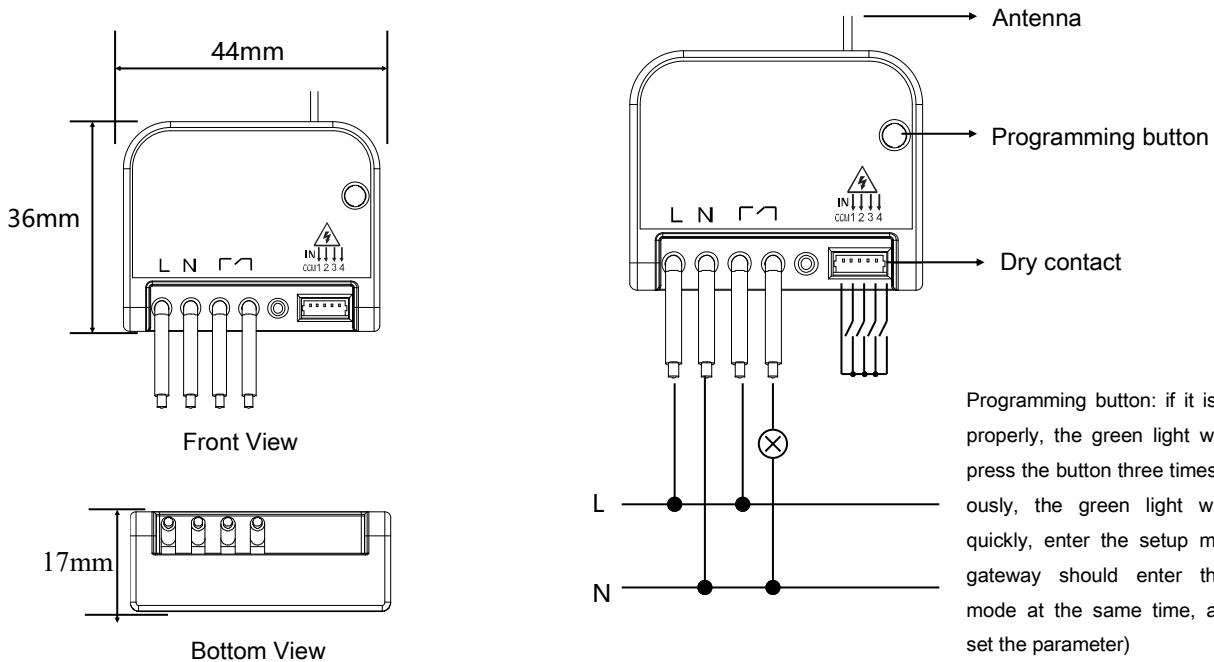- The subnet ID of wireless relay should be same as the wireless gateway

Overview

HDL-MPR01-RF.18 wireless 1CH relay, has 4CH dry contact, can control target by switch. This module should work in conjunction with wireless gateway

Functions

- 1CH relay output
- Support switch on delay, protection delay, switch off delay,.
- The 4CH dry contact supports electronic switch and mechanical switch, can control the target, has dimming function
- The dry contact supports: mechanical switch, single on, single off, single on/off, combination on/off, multi-function, parallel switch.
- Each switch type can set switch mode, dimmable two-way, dimmable increase, dimmable reduce.
- Control type: scene, sequence, universal switch, single channel lighting control, broadcast scene, broadcast channel, curtain switch, GPRS control switch, Panel control, security module, z-audio control
- Supports IEEE.802.15.4
- Supports online upgrading
- Supports easy programming

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Dimensions and Wiring

44mm

36mm

L N

IN
CCM1 2 3 4

Front View

17mm

Bottom View

Antenna

Programming button

L N

IN
CCM1 2 3 4

Dry contact

L

N

Programming button: if it is working properly, the green light will flicker, press the button three times continuously, the green light will flicker quickly, enter the setup mode (the gateway should enter the setup mode at the same time, and then, set the parameter)

Safety Precautions ⚠ WARNING

- When power on, cannot touch the power, load, dry contact terminal, avoid electric shock.
- Never let the liquids get into the module, it will damage this device
- Ensure good ventilation
- Output channel - The following list is the recommended for output channel. To protect the relay, please connect a 16A breaker for each channel.
- Recommended load type and power (The voltage is 220VAC)

Incandescent lamp load	2640W
Inductive transformer:	675 W
Electronic transformer:	750W
Halogen lamp 220V:	2640W
Mercury vapor lamp	
*Uncompensated lamp:	900 W
*Parallel compensated lamp:	900 W
Fluorescent lamp T5 / T8	
*Uncompensated lamp:	2640 W
* Parallel compensated lamp:	600 W
*DUO lamp:	600 W
Dulux lamp	
*Uncompensated lamp:	490 W
*Parallel compensated lamp:	490W

Package contents

- HDL-MPR01-RF.18*1 / Datasheet*1 / Cable *1

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