

Parameters

Electrical Parameters	
Input voltage	AC85-265V , 50/60Hz
Output current	5A (Resistive load) 2.5A(capacitive load)
Power consumption	0.45W max.
Wireless transmission power	+10dbm
Wireless sensitivity	-90dbm
Indoor communication distance	<=30m
RSSI Received Signal Strength Indication	>-80dbm
Frequency allocatin	
WPAN (China)	780 to 786MHz
SRD (Europe)	864 to 870MHz
ISM (North America)	904 to 928MHz
Default band	780 MHz
Default PSK	HDL-SecurityKey0
Environmental Conditions	
Working temperature	-5°C~45°C
Working relative humidity	<90%
Storage temperature	-20°C~+60°C
Storage relative humidity	<93%
Approved	
CE	
RoHS	
Product Information	
Dimensions	44x36x17 (mm)
Weight	39.7g
Housing material	PC
Installation	Wall box
Protection degree	IP20
Fire and null wire	1.5mm ² (the module provides 15cm wire)
Load cable	1.5mm ² (the module provides 15cm wire)
Stripping length	5~7mm

Important Notes

- This module must be used in conjunction with the HDL Intelli-center, or the HDL 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

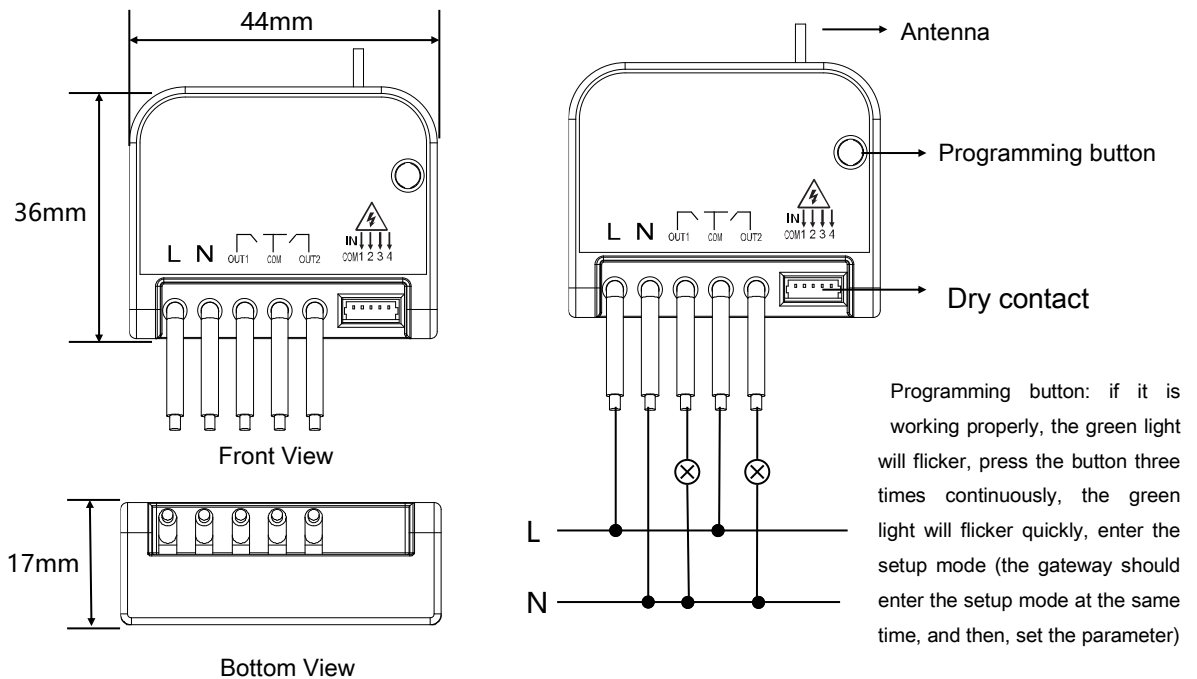


HDL-MPR02-RF.18 wireless 2CH relay, has 4CH dry contact, can control target by switch. This module should work in conjunction with wireless gateway.

Functions

- 2CH relay output
- Supports switch on delay, protection delay, switch off delay
- The 4CH dry contact supports: mechanical switch and electronic 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

Dimensions and Wiring



Safety Precautions

- When power on, cannot touch the power, load, dry contact terminal, avoid electric shock.
- Do not let the module come into contact with liquids.
- Ensure that the module is installed in an area with 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 (work in AC220V)

Incandescent lamp load:	660W
Inductive transformer:	450 W
Electronic transformer:	500W
Halogen lamp:	660W
Mercury vapor lamp	
*Uncompensated lamp:	660 W
*Parallel compensated lamp:	660W
Fluorescent lampT5 / T8	
*Uncompensated lamp:	775 W
* Parallel compensated lamp:	400W
*DUO lamp:	400W
Dulux lamp	
*Uncompensated lamp:	375W
*Parallel compensated lamp:	375W

Package contents

- HDL-MPR02-RF.18*1 / Datasheet*1 / Cable (15cm)*1