

Parameters

Electrical Parameters:	
Input voltage	AC85-265V , 50/60Hz
Output current	16A(cosΦ=0.4)
Power consumption	0.27W max.
Wireless transmit power	+10dbm
Wireless receive sensitivity	-90dbm
Indoor communication distance	<=30m
RSSI receive signal receiving	>-80dbm
Wireless central frequency	
WPAN (China)	780 to 786MHz
SRD (Europe)	864 to 870MHz
ISM (North America)	904 to 928MHz
Default band	780MHz
Default PSK	HDL-SecurityKey0
Environment 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	38.9g
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 should work 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

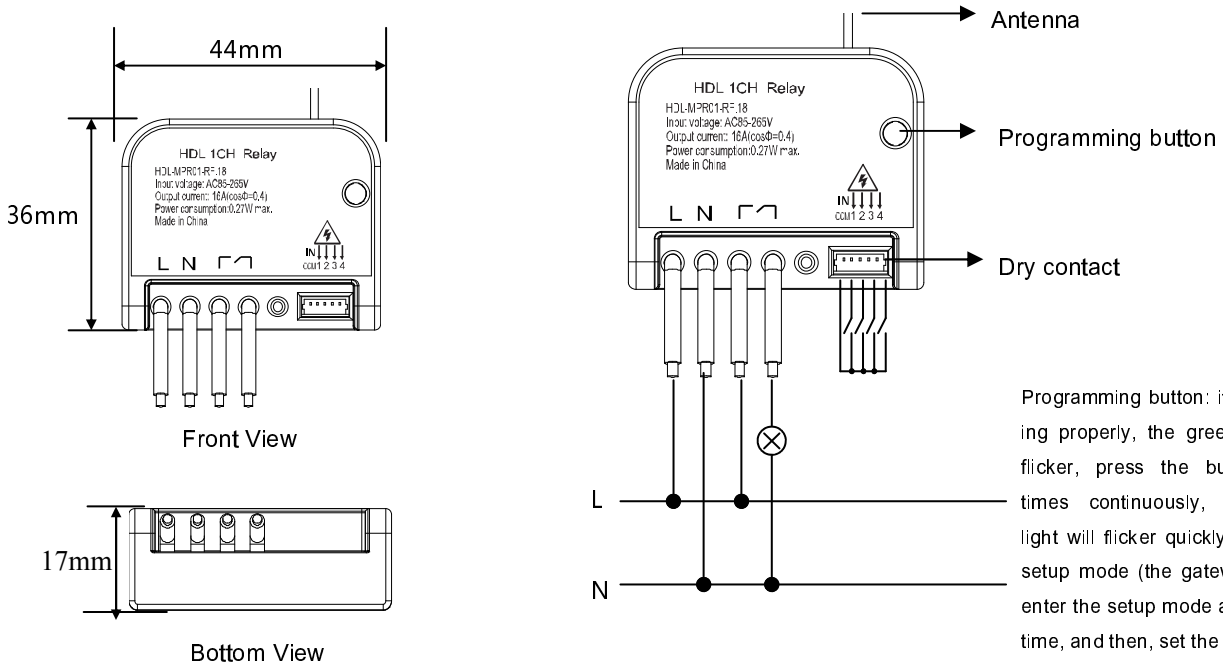


HDL-MPR01-RF.18 wireless 1CH relay, has 4CH dry contact, can control target by switch. This module should work in conjunction with wireless gateway

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
- Support IEEE.802.15.4
- Support online upgrading
- Support easy programming

Dimensions and Wiring



Safety Precautions



- 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

Motors:	2HP (1HP=746W)
Incan descent lamp load	3500W
Inductive transformer:	900 W
Electronic transformer:	1000 W
Halogen lamp 220V:	3500 W
Mercury vapor lamp	
*Uncompensated lamp:	1400 W
*Parallel compensated lamp:	1400 W
Fluorescent lamp T5 / T8	
*Uncompensated lamp:	1750 W
* Parallel compensated lamp:	1000 W
*DUO lamp:	1000 W
Dulux lamp	
*Uncompensated lamp:	750 W
*Parallel compensated lamp:	750 W

Packing List

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

