

## Parameters

Electrical Parameters	
Input voltage	85-265VAC , 50/60Hz
Output current MAX	1.5A (360W/240V)
Output current LED	0.5A (120W/240V)
Protection	Over voltage, over load, short circuit and temperature protection
Internal power consumption	0.6W
Dry contact input	non-isolated (240V)
Wireless transmission power	+10dbm
Wireless sensitivity	-90dbm
Indoor communication distance	<=30m
RSSI received signal strength indication	>-80dbm
Frequency allocation	
(China) WPAN	780 to 786MHz
(Europe) SRD	864 to 870MHz
(North America) ISM	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	44x36x20.2 (mm)
Weight	38g
Housing material	PC, Aluminum
Installation	Wall box
Protection degree	IP20
Fire and null wire	1.5mm <sup>2</sup> (the module provides 15cm wire)
Load cable	1.5mm <sup>2</sup> (the module provides 15cm wire)
Stripping length	5~7mm

## Important Notes

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

## Overview

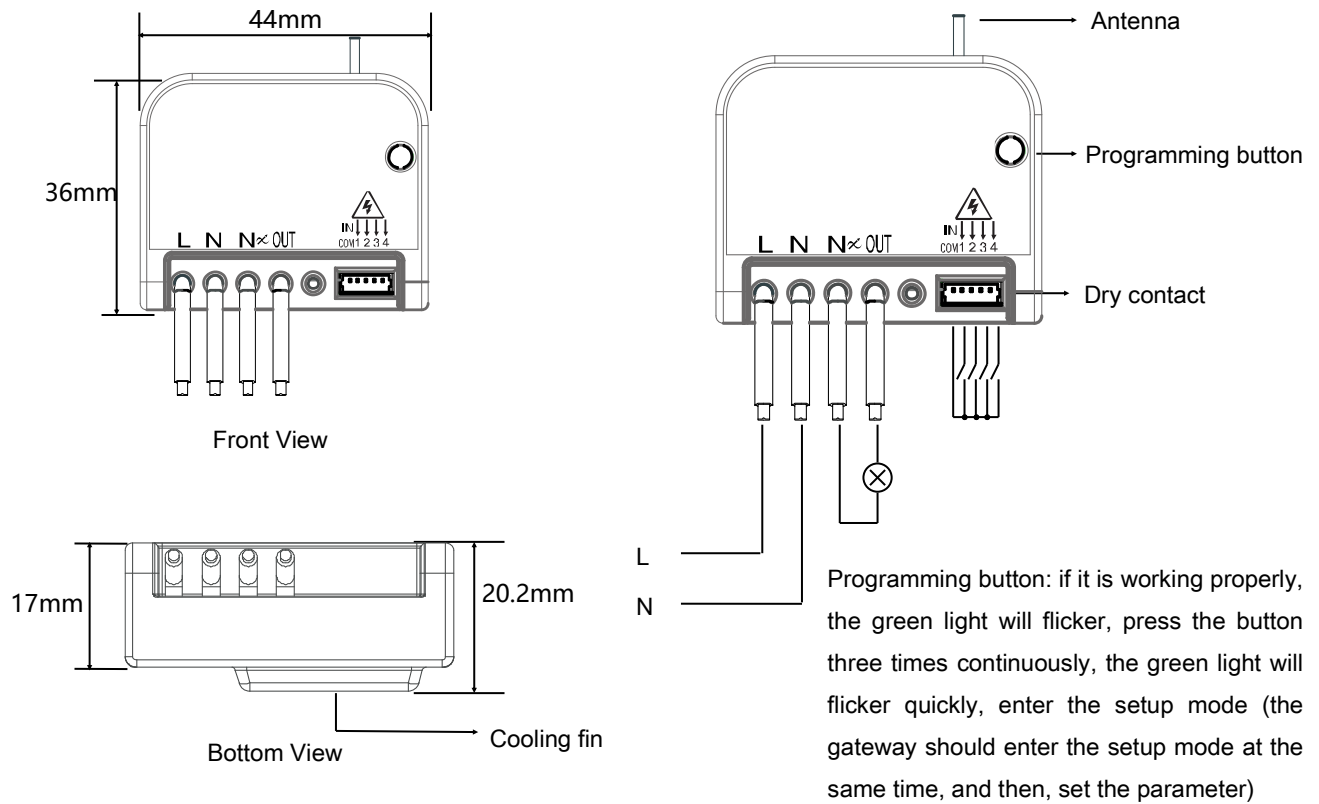


HDL-MPD01-RF.18 wireless 1CH dimmer, has 4CH dry contact, can control targets by switch. This module should work in conjunction with wireless gateway.

## Functions

- 1CH MOSFET dimming output, output current should not exceed 1.6A.
- Output channel cannot connect with inductive load, such as, transformer, fan, inductive ballast, fluorescent lamp, etc
- 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

## 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.

## Package contents

- HDL-MPD01-RF.18\*1/Datasheet\*1/Cable (15cm)\*1