### 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℃~45℃
- **Working relative humidity**: <90%
- **Storage temperature**: -20℃~+60℃
- **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**: 1.5mm² (the module provides 15cm wire)
- **Load cable**: 1.5mm² (the module provides 15cm wire)
- **Stripping length**: 5~7mm

### 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

### Important Notes
- This module must be used in conjunction with the HDL Intellicenter, 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 Intellicenter, or HDLmesh gateway
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