

Features

433M RF signal converter, HDL-MWH6 work with RF remote controller HDL-MWRT12, after setup the control target in the HDL-Bus pro tools software, you can control any devices by the remote controller.

- RF receiver functions : It supports up to 4 remote controllers which with the different address, and the address of remote controller can be read by device. Control target mode : Scene、Sequence、Time switch、Universal switch、single channel adjustment、Broadcast scene、Broadcast channel, etc
- Remote control button mode : Single On/Off; Single On; Single Off; Combination On; Combination Off; combination On/Off, etc.
- Combination button mode could control up to 99 targets.
- Each button controls up to 99 targets, Each remote controller has 2x8 control buttons
- Maximum setting of 8 mutual exclusion group.
- Communication interface: HDL-Bus

Important Notes

- **Bus cable** - CAT5E or HDL Bus /KNX cable
- **Bus Connection** - Recommend connection of Bus wire hand by hand
- **Check Connections** – Re-tighten all connections after installation.
- **Installation location** - before fixed the device better test the receiving from different place, make sure the correct position be selected .

Installation Steps

- Make sure the Bus cable type is correct and has no circuit short
- Connect bus cables. Make sure the color of wire same as definition
- With screw fix after tested the correct position

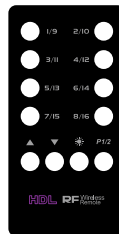
Product Specifications

- Input power : DC24V
- Bus power consumption : 20mA/DC24V
- Installation mode : Wall mount or ceiling
- Receiving MAX Distance : 100M
- carrier frequency : 433.1580MHz±2%
- CE approved
- Working Temperature: 0°C ~ +45°C
- Working Relative Humidity: 20% - 90%
- Storage Temperature: -40°C- +55°C
- Storage Relative Humidity: 10% - 93%
- IP Protection : IP20



Safety Attention

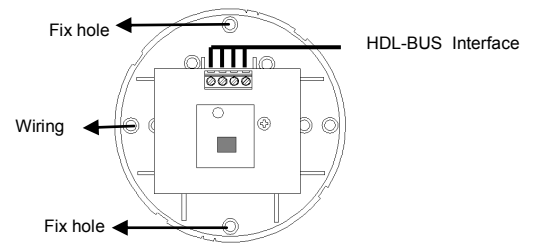
- The tightening torque do not exceed 0.2Nm,
- Do not make wrong connection on Bus interface, it will damage the device.
- Avoid the rain or water into module, it will damage this devices
- Do not get AC220V voltage into Bus wire , it will damage all of devices in system



RF remote controller

Types

HDL-MWH6.20



HDL-Bus Definition for cable

CAT5/CAT5E	Bus	HDL Bus/KNX Cable
Brown White/ Orange White	COM	Black
Blue White /Green White	DATA-	White
Blue/Green	DATA+	Yellow
Brown/ Orange	DC24V	Red

How to operate HDL-MWRT12 remote controller

Button functions :

- Remote controller buttons are "1/9"; "2/10"; "3/11"; "4/12"; "5/13"; "6/14"; "7/15"; "8/16" , means totally 16 buttons in 2 pages, control target of the button could be set in the HDL-BUS Pro setup software.
- Button "▲"; "▼" of the controller can be used for dimming buttons.
- Button "☀" of the controller is for enter the dimming mode.
- Button "P1/2" of the controller is for turning pages , when the green light flashing after you pressed the button, means the remote controller is turned to control the second page targets.

Dimming by remote controller :

- 1 . Set the button mode to scene or single channel adjustment for dimming, such as, set the button 1 mode to scene, then dimming by button 1.
- 2 . Pressed "☀" button until the red light flashing to activate the dimming mode .
- 3 . For dimming, just press the button which you had set it for .
- 4 . Buttons "▲" and "▼" are for dimming adjustment , press button "▲" to increase the brightness, press button "▼" to decrease the brightness.
- 5 . Press button "☀" or without any operation on the remote controller for 5 seconds to quit the dimming mode of the controller .
- 6 . Press Button " P1/2 " to turn page , press the button until the green light flashing to get to the second page