

HDL-MWM70-RF.12

Wireless Curtain Control Motor

**buspro**  
WIRELESS

**Datasheet**

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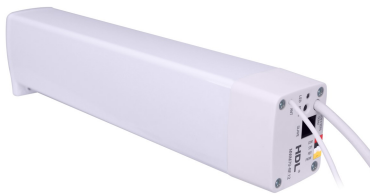


Figure 1. Wireless Curtain Control Motor

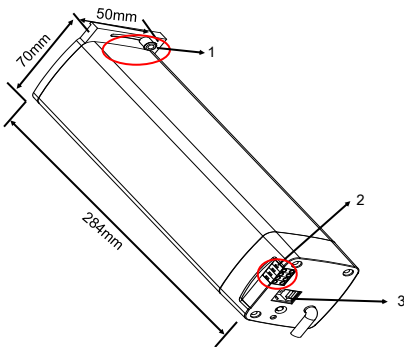


Figure 2. Dimensions

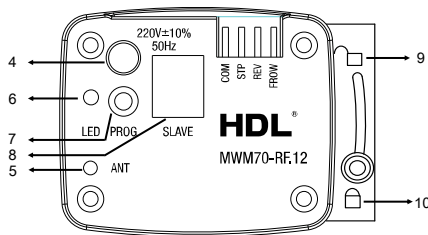


Figure 3. Components - Side View

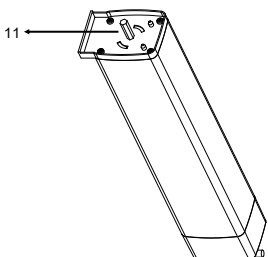


Figure 4. Components - Side View

## Overview

Wireless Curtain Control Motor (See Figure 1) enables controls of opening, closing, stopping or opening to a specified percentage position after configuration with the wireless gateway. The Wireless Curtain Control Motor can be manually pulled no matter it is power-on or power-off. The motor also supports overheat protection.

## Functions

- Curtain distance measurement.
- Working mode: long pull mode, short pull mode, free mode.
- Percentage control.
- Communication: wireless.
- Supports online upgrading.
- Supports easy programming.
- With clutches of new generation and precise planetary deceleration structure, the operating noise is down to around 40dB.
- Dry contact switch to open, close and stop the curtain.
- Strong power provided by AC motor.
- Medium straight line and curved opening and closing curtain appropriate for all occasions.

## Important Notes

- Horizontal pull is 8kg with up to 50kg load.
- The motor should work in conjunction with the wireless gateway.

## Product Information

**Dimensions - See Figure 2**

**Components - See Figure 3 - 4**

1. Latch
2. Dry contact switch to open, close, and stop the curtain. (COM+FROW is on, COM+REV is off, COM+STP is stop) through the electronic switch.
3. RJ11 6P network port, connect to the master and slave. It supplies the working voltage for slave.
4. AC220V power input (brown: L, blue: N, yellow green: G. A power cord of about 1m provided by default.)
5. Antenna
6. LED indicator
7. Programming button
8. 6P network interface
9. Unlock sign
10. Locked sign
11. Motor terminal

Pull the latch to unlock direction, and then insert the motor terminal into the C-Driver Unit. Then, push the latch into the locked hole.

## Safety Precautions

- The installation and commissioning of the device must be carried out by HDL or the organization designated by HDL. For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.
- HDL does not take responsibility for all the consequences caused by installation and wire connection that are not in accordance with this document.
- Please do not privately disassemble the device or change components, otherwise it may cause mechanical failure, electric shock, fire or body injury.
- Please resort to our customer service department or designated agencies for maintenance service. The warranty is not applicable for the product fault caused by private disassembly.

## Package Contents

HDL-MWM70-RF.12\*1 / Buspro connector\*1 / Network cable\*1 / Datasheet\*1

## Technical Data

### Basic Parameters

Rated voltage	AC220V 50Hz
Input voltage	AC180-240V 50Hz
Slave interface	6P internet port
Rated power	70W
Rated torque	1.0N.m
Rated speed	112rpm
Rail belt speed	16cm/s
Communication	Buspro Wireless
Wireless transmission power	+10dbm
Wireless sensitivity	-90dbm
Indoor communication distance (No barrier)	≤30m
RSSI (Received Signal Strength Indication)	>-80dbm
Factory frequency	Band, PSK (It is suggested that your setting should not be same as the factory setting.)

### Frequency Allocation

(China) WPAN	780MHz to 786MHz
(Europe) SRD	864MHz to 870MHz
(North America)	904MHz to 928MHz
Default PSK	HDL-SecurityKey0

### External Environment

Working temperature	-5°C~45°C
Working relative humidity	≤90%
Storage temperature	-20°C~60°C
Storage relative humidity	≤93%

### Specifications

Dimensions	284x70x50 (mm)
Net weight	1352g
Housing material	ABS, aluminum
Installation	Wall hanging
Protection rating (Compliant with EN60529)	IP41

### Name and Content of Hazardous Substances in Products

Components	Hazardous substances					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Chromium VI (Cr (VI))	Poly-brominated biphenyls (PBB)	Poly-brominated diphenyl ethers (PBDE)
Plastic	o	o	o	o	o	o
Hardware	o	o	o	o	-	-
Screw	o	o	o	×	-	-
Solder	×	o	o	o	-	-
PCB	×	o	o	o	o	o
IC	o	o	o	o	×	×

The symbol "-" indicates that the hazardous substance is not contained.

The symbol "o" indicates that the content of the hazardous substances in all the homogeneous materials of the component is below the limit requirement specified in the Standard IEC62321-2015.

The symbol "x" indicates that the content of the hazardous substance in at least one of the homogeneous materials of the part exceeds the limit requirement specified in the Standard IEC62321-2015.

#### Technical support

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Website: <https://www.hdlautomation.com>