

HDL-MWM70B.22

Master Curtain Control Motor

buspro

Datasheet

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Edition V1.0.0



Figure 1. Master Curtain Control Motor

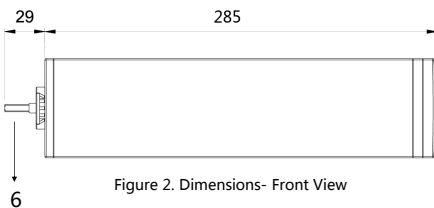


Figure 2. Dimensions- Front View

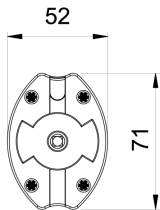


Figure 3. Dimensions- Side View

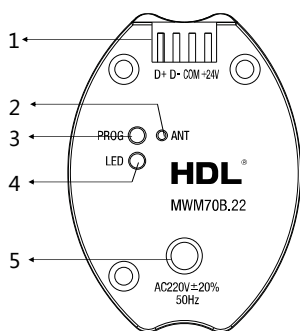


Figure 4. Components - Side View

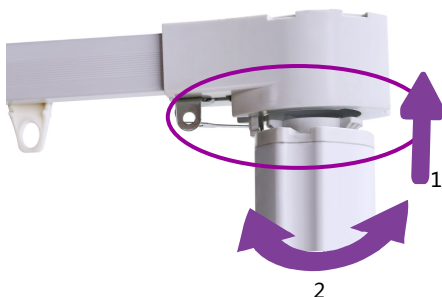


Figure 5. Installation

Overview

Master Curtain Control Motor (See Figure 1) receives HDL Buspro signal to control the opening (full or to certain extent), closing and stopping of curtains. The motor can be operated manually, and supports overheat protection.

Functions

- The motor supports opening (full or to certain extent), closing or stopping the blind.
- Supports manual pulling the curtain to start.
- Overheat protection
- Automatic ranging and switch position configuration
- Displays the maximum extension range of the curtain
- 220VAC power detection and Buspro power detection
- HDL Buspro Communication
- Online upgrade
- Easy programming
- Built-in new generation clutch and precise planetary deceleration structure, Working noise 40dB
- Reliable and stable power supply via AC motor
- Suitable for all kinds of medium-sized linear or arched curtain applications.

Important Notes

- Buspro connection - Series connection (hand-in-hand recommended)
- Ensure correct connection to HDL Buspro terminal
- Ensure tight connection between motor terminal and rail
- Maximum load: 100kg
- Due to the mechanical clutch used in the motor, the motor needs to make a reverse rotation to enable the clutch operation when power off. If pulling the curtain in a direction does not enable curtain moving, pull the curtain in the reverse direction then it will move.

Product Information

Dimensions - See Figure 2 - 4

1. HDL Buspro port
2. ANT: (Reserved for the wireless)
3. PROG button
4. LED indicator
5. Power: AC220V input, 1 meter cable (Brown for L, Blue for N, Y/G for G)
6. Latch

Installation

- Step 1. As shown in Figure 5, put the motor terminal into the rail,
- Step 2. Rotate the motor and lock it.
- Step 3. Check the connection

Status Description of LED indicator

Function	Status	LED status	Enter into the status	Exit the status
Working properly		Green LED flashes once at an interval of 2s	- -	- -
Modify the address of motor		Red LED on	Press programming button for 3s	Press programming button for 3s / no operation for 2 min
Testing for installation		Red LED on flashes once at an interval of 2s	Press programming button for 5s	Press programming button for 5s / no operation for 20 min

Notes: The above operations are carried out in normal work.

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 specification.
- 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.
- Do not put any additional weight on the rail, and do not climb the curtain.
- When you install the motor to the drive unit, please check and make sure that the latch is pushed into locked hole, otherwise the motor will fall down to cause product damage or personal injury.

Package Contents

HDL-MWM70B.22*1 / Buspro connector*1 / Datasheet*1

Technical Data

Basic Parameters

Working voltage	12-30V DC
Working current	36mA / 24V DC
Input voltage	220V AC 50Hz
Rated power	75W
Rated torque	1.2N.m
Running speed	20cm/s
Max. load	100kg
Cable diameter of Buspro terminal	0.6-0.8mm
Communication	HDL Buspro

External Environment

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

Specifications

Dimensions	314×71×52 (mm)
Net weight	1.4kg
Housing material	ABS, aluminum
Installation	Wall hanging
Protection rating	IP20
Insulation rating	I.C.I.F

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 "×" 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.

HDL Buspro Cable Guide

HDL Buspro	HDL Buspro Cable	CAT5/CAT5E
DATA+	Yellow	Blue/Green
DATA-	White	Blue white/Green white
COM	Black	Brown white/Orange white
24V DC	Red	Brown/Orange

Technical support

E-mail: support@hdlautomation.com

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

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