

2CH Motorized Curtain Control Module (See Figure 1) is specially designed for controlling 2ch curtains (shutters) through the controlling of AC motor. Users can make inching control for the shutters, set working time for each channel independently. Operation can be done on iPad and iPhone.

## Functions

- 2-channel curtain control
- Hardware/software interlock for motor protection
- Curtain working time settable
- Control/Inching control of shutter
- Easy programming
- HDL Buspro online update

## Important Notes

- Installation - Distribution box
- Buspro cable - CAT5E or dedicated HDL Buspro cable
- Buspro connection - Series connection (hand-in-hand recommended)
- Output circuit - Maximum current of each channel is 5A

## Product Information

Dimensions - See Figure 2 - 3

Wiring - See Figure 4

1. Curtain control terminals
  - FWD: Controls the forward direction of motor
  - REV: Controls the reverse direction of motor
2. LED indicator: Normally on when motor working
3. Buttons: Manually press the button for controlling local curtains
  - F: Control Curtain 1 or 2, FWD/STOP control
  - R: Control Curtain 1 or 2, REV/STOP control
4. Module indicator & programming button: The indicator flickers when the module is working properly. Press the button for 3s to read and modify the module address via HDL Buspro Setup Tool.
5. HDL Buspro interface

## Safety Precautions

- The installation and testing for the product must be carried out by HDL Automation Co., Ltd. or its appointed service agencies. The electric construction shall comply with local laws and safety regulations.
- The device should be installed with DIN rail in DB box. HDL will not be responsible for any consequence caused by the inexpert or faulty installation and wiring methods, which are not in accordance with the instructions contained in this operating instruction.
- Please do not privately disassemble or replace any parts of the product. Otherwise, it may cause mechanical fault, electric shock, fire or personal injuries.
- Please contact our after-sales departments or our designated service agencies for your maintenance service. Product failures caused by private disassembly are not subject to this warranty.
- It is not allowed to exceed the range.

## Package Contents

HDL-MW02.431\*1 / Buspro connector\*1 / Label\*5 / Datasheet\*1

HDL-MW02.431  
2CH Motorized Curtain Control Module

buspro

### Datasheet

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Figure 1. 2CH Motorized Curtain Control Module

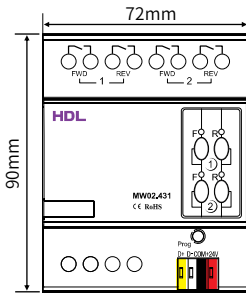


Figure 2. Dimensions - Front View

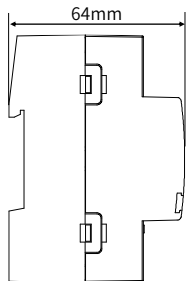


Figure 3. Dimensions - Side View

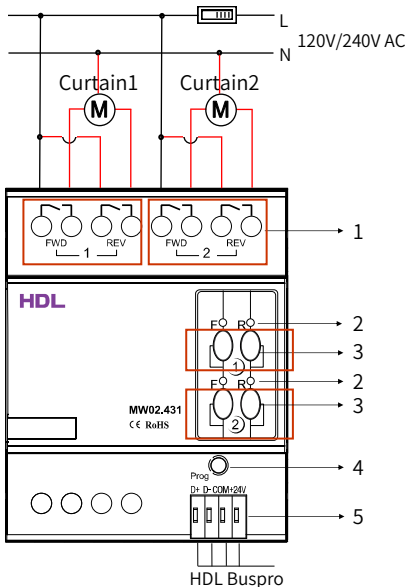


Figure 4. Wiring



Figure 5

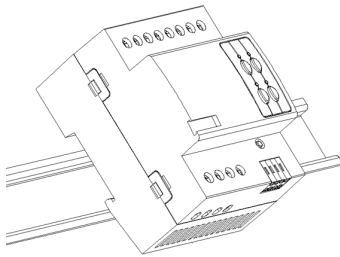


Figure 6

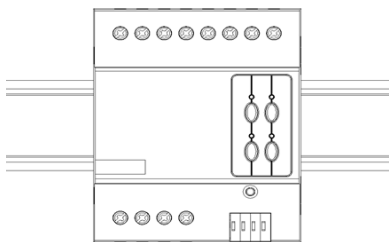


Figure 7

Figure 5 - 7. Installation

## Technical Data

### Basic Parameters

Working voltage	15~30V DC
Working current	35mA/24V DC
Input voltage	120V/240V AC, 50/60Hz
Maximum current of each channel	5A
Electronic life time of relay	>60000 (Resistance load)
AC motor type	Single-phase capacitor

### External Environment

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

### Specifications

Dimensions	72mm x 90mm x 64mm
Net weight	250g
Housing material	Nylon, PC
Installation	35mm DIN rail installation (See Figure 5 - 7)
Protection rating (Compliant with EN 60529)	IP20

### Recommended Load Types and Power

240V, 5A, General Use, 30,000 cycles, 40°C;
240V, 1.6FLA/9.6LRA, Motor (PF>=0.6), 30,000 cycles, 40°C;
120V, 5A, General Use, 30,000 cycles, 40°C;
120V, 1.6FLA/9.6LRA, Motor (PF>=0.6), 30,000 cycles, 40°C;

### Approved

CE

RoHS

## 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

## Installation

### Installation - See Figure 5 - 7

- Step 1. Fix the DIN rail with screws.
- Step 2. Buckle the bottom cap of the 2CH Motorized Curtain Control Module on the edge of the DIN rail.
- Step 3. Press the device on the DIN rail, slide it and fix it up until an appropriate position is adjusted.

### Technical support

E-mail: [hdltickets@hdlautomation.com](mailto:hdltickets@hdlautomation.com)

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

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