

Parameters

Electrical Parameters:

Working voltage	DC15~30V Class 2
Bus power consumption	35mA/DC24V
Maximum current per CH	5A
Relay life time	60000 times
AC motor type	Single-phase capacitor

Environmental Conditions:

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

Approved

CE, RoHS, UL

Product Information :

Dimensions	72×90×66 (mm)
Net weight	250(g)
Housing material	Nylon, PC
Installation	35mm DIN rail installation
Installation Position	Distribution box (DB)
Protection rating	IP20

HDL Buspro Cable Guide

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

Installation Steps

- Mount suitable fuse or MCB for AC power protection
- Labeling for AC power wires, Motor wires and HDL Buspro wire
- Make sure the current of each motor is less than 5A
- Connect wires for motor and AC power, make sure there is no short circuit or open circuit
- Connect Buspro cables. Make sure the color of wire complies with the definition
- Make sure the Buspro cable type is correct and has no short circuit
- Tidy all the wires. Separate Bus wire and AC power wire

Overview



HDL-MW02.431 is a professional two curtains(shutters) controller. The curtain module can only control the curtain by AC motor. Each curtain can set running time for closing the AC power if the curtain limit switch is failed. Each channel has inching function, it allows users to control the motor in short time, such as changing the angle of shutter. HDL Buspro can control the curtain from iPad, iPhone local and internet.

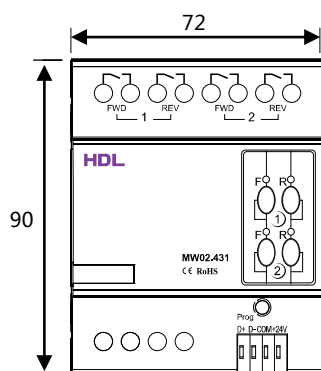
Functions

- 2 channels for curtain control
- Hardware/software interlock protect motor
- Settable curtain running time
- Inching control for Shutter coordinate
- Supports easy programming and HDL Buspro online upgrading.

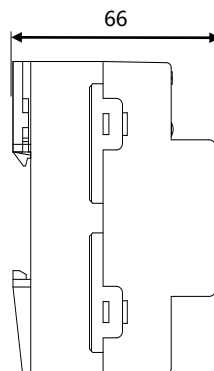
Important Notes

- Buspro cable – CAT5E or HDL-Buspro/KNX cable
- Buspro Connection – Series connection (hand-in-hand)
- Check Connections – Re-tighten all connections after installation.
- Output Circuit – The load on the switched circuits must not exceed the specified capacity of 5A, these circuits should be fed via a fuse/circuit breaker.
- Ratings for each output contacts:
 - 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;

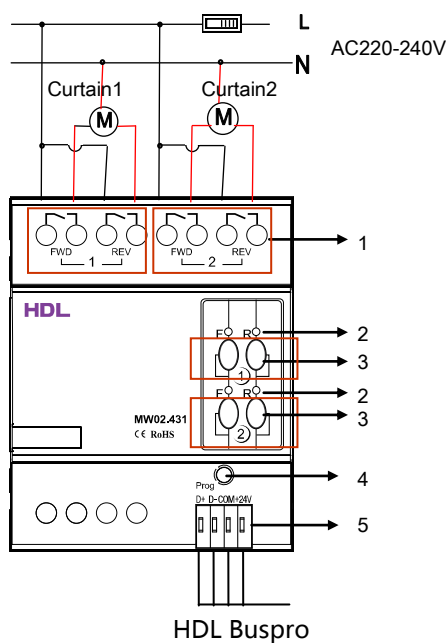
Dimensions and Wiring



Front View



Side view



1. Curtains control terminals
FWD: Control the forward direction of motor
REV: Control the reverse direction of motor
2. LED indicator, showing the status of control
3. Buttons: Manual button for control Curtains locally
F : FWD/STOP control ;
R : REV/STOP control ;
4. Module working status LED& programming button: Green LED flickers when it is working properly. Press the key for 3s, red LED will on, enter ID modification mode.
5. HDL Buspro

Safety Precautions

- The screw down strength should not exceed 0.4Nm.
- Installation-Inside DB box.
- Ensure that the Buspro interface is correctly connected to the module.
- Do not connect the module to AC power.
- Do not let the module come into contact with liquids or corrosive gases.
- **CAUTION - Risk of Electric Shock - More than one disconnect switch may be required to de-energize the equipment before servicing**

Package Contents

- HDL-MW02.431 *1
- Datasheet*1
- Bus terminal *1