

Parameters

Electrical parameters	
Working Voltage	21~30VDC Class2
Communication	KNX/EIB
Dynamic current	< 12mA
Static current	< 5mA
Relay output current	10A
Motor channel	4 channels
KNX terminals	(Red /Grey) 0.6 – 0.8mm Diameter Single Core cable
Rated switching voltage	250V AC Supply
Channel electrical life	>1000000
Mechanical life	>1000000
Output Terminals	Line In, Line Out for each channel 2.5-4mm ²

Environmental Conditions

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

Approved

CE, RoHS, UL

KNX

Product information

Housing material	Nylon(PA66)
Dimensions	H 90mm x W144mm x D 66mm
Net weight	362.4g
IP rating	IP 20

Important Notes

- **Special Programming** – This device is designed for professional KNX installation. It can only be programmed by ETS software.
- **Check Connections** – Re-tighten all connections after installation.
- **Output Circuit** – The load on the switched circuits must not exceed the specified capacity of 10A, these circuits should be fed via a 10A fuse/circuit breaker.
- **Ratings for each relay's contacts:**
 - 250V, 10A, Resistive, 100,000 cycles, 40°C;
 - 250V, 1HP (8FLA/48LRA), Motor, 6,000 cycles, 40°C;
 - 250V, 6A, Tungsten, 6,000 cycles, 40°C;
 - 250V, 6A, Standard Ballast, 6,000 cycles, 40°C;
 - 120V, 0.5HP (9.8FLA/58.8LRA), Motor, 20,000 cycles, 40°C;
 - 120V, 10A, Tungsten, 20,000 cycles, 40°C;
 - 120V, 10A, Electronic Ballast, 20,000 cycles, 40°C;
 - 120V, 10A, Standard Ballast, 6,000 cycles, 40°C;

Overview



HDL/KNX-EIB Curtain controller is fully abide by the European safety standards for the internal use of 10A High-current magnetic. This line offers options such as power-free functionality and high dependency.

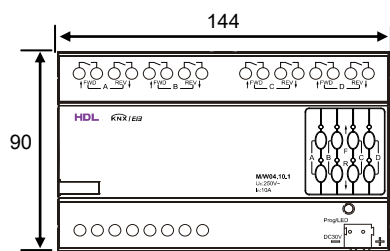
Functions

- 10A relay for switching forward/reverse running control or stop on every output channel and can also manually switch.
- The functions include Blinds operation mode, Curtain operation mode, Manual operation, Priority setup, Status can be set when Power off or Power on, Forced position operation, Limit position control, Status response for position, Status for operation, Scene control, Safety control, Automatic control.

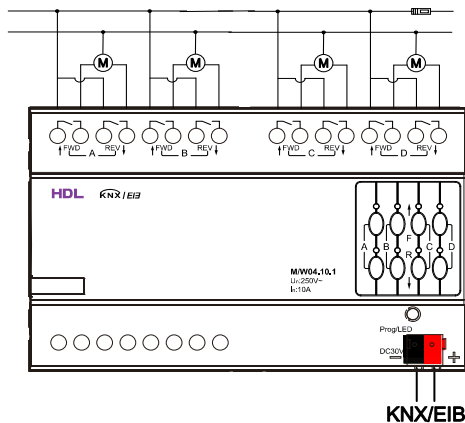
Installation Steps

- Mount the device on a DIN rail inside an approved electrical enclosure.
- Check power cable and motor cable, make sure no circuit short.
- Check Bus cable make sure the color match the socket, confirm the voltage of Bus is between 21 to 30V DC.
- Re-check all terminations.

Layout and Wirings (Unit: mm)



M/W04.10.1



Safety Precautions



- Screw down strength is less than 0.4Nm.
- Current in each channel is less than 10A.
- Proper MCB for each motor protection.
- Installation Position: Distribution Box (DB).
- Do not make wrong connection on Bus interface, it will damage the Bus interface this module.
- Do not get AC220V voltage into KNX/EIB Bus wire , it will damage all of devices in system.
- Assure a good ventilation circumstances.
- Rain, liquid, and aggressive gas are not allowed to close to it.
- Risk of Electric Shock - More than one disconnect switch may be required to de-energize the equipment before servicing

Package Contents

- Device*1/Datasheet*1

Contact Us

Need help or advice? Please visit www.hdlautomation.com, or Contact us via: support@hdlchina.com.cn.