Motor curtain 1CH actuator. It contains master and slave. It is the curtain controller, the master can be started by panel or other device. It supports manual mode and it has over load protection and over heat protection.

## Functions

- **Standard control (with percentage)**
- **Simple control (without percentage)**
- **Automatic measure distance.**
- **Manual mode:** Long drag, short drag.
- **Can control to open, close, stop and percentage.**
- **Can respond the status (open, close, stop, percentage, limited position, etc.).**
- **Has status after bus voltage recovery function.**
- **Safety control. Control the curtain position by wind, rain, frost signal**
- **Auto control. Control the curtain position by sun/no sun, heating, cooling signal**
- **Scene control**
- **Forced operation**
- **Trigger control**
- **Save status before power off function**

## Parameters

### Electrical Parameters

- **Program name:** Motor Curtain 1CH Actuator
- **Bus interface:** KNX/EIB (Master)
- **Model NO.:** M/WM70M.1 (Master) M/WM70S.1 (Slave)
- **Rated voltage:** AC220V ±50Hz
- **Voltage range:** AC220V±20% 50HZ
- **Working voltage:** DC21-30V(Master) DC12V(Slave) from Master
- **Bus power Consumption:** <10mA/DC30V (Master)
- **Slave interface:** 6P network port
- **Rated power:** 70W
- **Rated torque:** 1.0Nm
- **Rated speed:** 112rpm
- **Rail belt speed:** 16cm/s

### Environmental Conditions

- **Working temperature:** -5℃~45℃
- **Working Relative Humidity:** Up to 90%
- **Storage Temperature:** -20℃~+60℃
- **Storage Relative Humidity:** Up to 93%

### Approved

- CE, RoHS
- KNX

### Product Information

- **Dimensions:** 284×70×50(mm)
- **Net weight:** 1554g(master) 1543g(slave)
- **Housing material:** ABS, aluminum
- **Installation:** Wall Hanging
- **Protection rating:** IP41
- **Insulation rating:** E

### Important Notes

- **Special Programming** – This device is designed for professional KNX installation. It can only be programmed by ETS software.
- **Cable Connections** – Do not get wrong connection for Grey and Red wires.
- **Voltage** - The input of voltage must be between 21-30VDC.
Layout and Wiring

Master M/WM70M.12

Slave M/WM70S.12

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

Motor terminal
locked
unlock

Motor terminal

Motor Curtain 1CH Actuator M/WM70M.1

Safety Precautions

WARNING

- Do not make wrong connection on KNX/EIB interface, it will damage the KNX/EIB interface of this module.
- Never let liquids get into the module, it will damage this device.
- Ensure good ventilation.
- Avoid contact with liquids and aggressive gases.
- 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 personal injury and product damage.
- When the motor is installed, please do not pull the curtain with too much force, and do not put any additional weight on the rail, do not climb the curtain and do not hang anything on the curtain.

Package Contents

- Datasheet *1
- Device *1