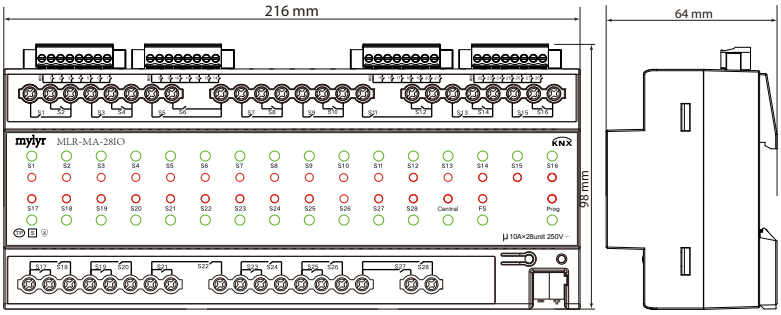
MYLYR

28 Fold Multi-function Actuator Datasheet
Model No:MLR-MA-28IO

KNX/EIB Home and Building Intelligent Control System

Dimension



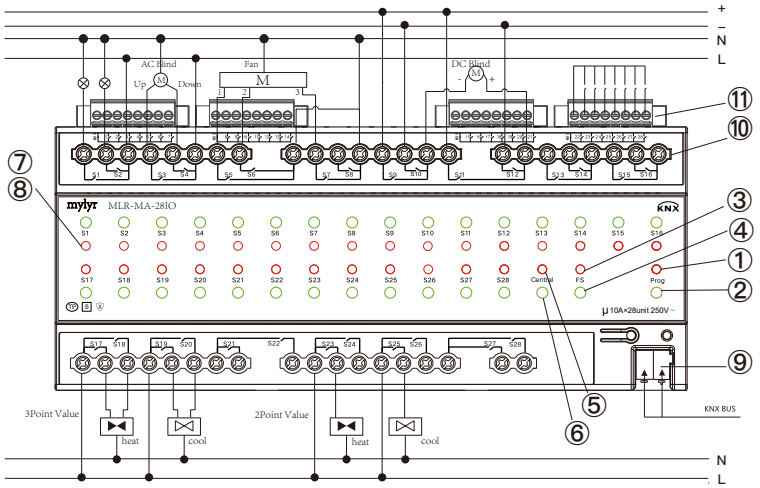
Model	Dimension	Weight
MLR-MA-28IO	216x 90 x 98mm	0.73kg

Function

- Manual control, supports single-channel output control of the function.
- Centralized control, supports output control of all channels of the function, and all output functions support manual centralized control.
- Engineering test control.
- Weather warning, supports linkage control of weather sensors and curtain AC/DC output functions.
- Dry contact input scanning, used to connect switch panels or dry contact output sensors, supports up to 28 connections.
- Switch output, supports up to 28 outputs.
- Curtain AC/DC output, supports AC and dry contact curtain motor connections, up to 14 connections. DC type can connect up to 7 connections.
- Fan multi-level control, supports 1, 2, 3 level wind speed control, and can connect up to 7 fans. Valve 2/4-pipe control, supports 2-pipe control (up to 14-way valves) control, 4-pipe control (up to 7-way valves) control.

The device does not require additional power supply voltage for operation, and is directly powered by the EIB/KNX bus.

Wiring Diagram



Technical Parameters

Power Supply	Operating Voltage，KNX	24~30V DC, Provided by the bus
	Maximum current	≤20 mA (30V DC)
	Quiescent Current	≤6 mA
Output	Un Rated voltage	230V AC(50~60Hz)
	Switching current	10A/230V(Resistive load)
		150W/230V(Capacitive load)
	Number of channel	28
Dry Contact Input	Scan voltage	3.3V
	Cable length	＜300m（0.4 mm Ø）
	Number of channel	28
Connection	KNX	Bus connection terminal (Red/Black, diameter 0.8mm)
	Load output	Screw terminal
		Single core 0.2-2.5mm^2, Torque 0.4N-m
		Multi-core 0.2-4mm^2, Torque 0.8N-m
Operation & Indication	Programming button and LED	Assign physical address
	Manual operation button and output LED	Switching output and indicating output status
	Manual/Auto switch button and LED	Manual/Auto operation mode switching and indication mode status
	Manual centralized control buttons and LED	Central switching output and output status indication for all channels
Temperature Range	Operation	-5℃...+45℃
	Storage	-25℃...+55℃
	Transportation	-25℃...+70℃
Environmental Condition	Humidity	<93%, Except for condensation
Design	DIN Rail module components	35mm Ding rail, modular installation
CE	Meets the EMC And low voltage standards,EN50 090-2-2	
Certification	EIB/KNX Certification	

Instruction

①② Programming indicator LED and button

③④ Manual/Auto switching LED and button

⑤⑥ Manual centralized control LED and button

⑦⑧ Manual control output LED and button

⑨ KNX terminals

⑩ Output/load terminal

⑪ Dry contact input terminal

Installation Instructions

This device is designed for quick and easy installation within a distribution box or a small box, and it is a modular installation device in accordance with the EN60715 series that may be placed on a 35 mm DIN rail. The installation must be completed in such a way that the equipment can be properly operated, tested, examined, maintained, and repaired.

Important Tips

Installation and commissioning of equipment should only be performed by trained and skilled electricians. Relevant standards, guidelines, norms, and instructions are meticulously followed during the planning and execution of electrical systems.

- During shipping, storage, and use, the item must be kept free of moisture, dirt, and other harm.
- Do not use the gadget outside of the defined parameters (such as temperature range).
- The devices can only be operated in closed environments (e.g. distribution boxes).

When the unit is dirty, it should only be cleaned with a dry cloth. If this is not sufficient to clean it, use a damp cloth with a little soap solution and wipe gently. Never use alkalis or caustic solvents.