

Technical Sheet For EIB/KNX Room Controller

LMRM4100

The worldwide standard for home and building control

CHARACTERISTICS

- 20 channels Binary input. Functions of each channel are switch sensor, dimming sensor, value output and shutter control
- 12 channels Switch output. 4ch are manual operation (mechanical switch) available, the Max. Load current is 16A; the others are electrical switch available, and the Max. Load current is 6A.all channels have the function of staircase lighting, light flashing and switch delay. Also logic and force operation are available
- 2 channels Shutter output. Max. Load current is 6A; operating shutter and louver adjustment available; automatic function and sun protection available; safety operating available;
- 2 channels TRIAC dimming output. Max Load current is 1A;relative dimming, brightness dimming and staircase lighting available
- 1 channel Fan Coil output. provide high, medium, low fan speeds, Max. current is 6A.that can be reused for 3ch switch actuator;4 pipes HVAC control system, Max. load current is 1A;PWM and continuous control both available

PARAMETERS

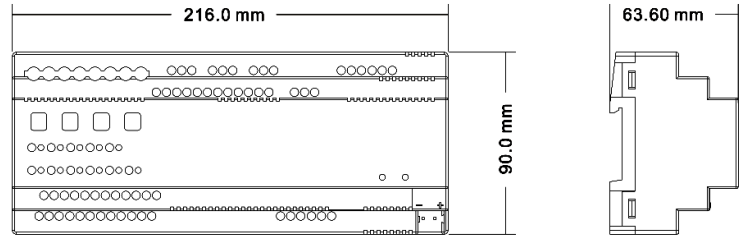
Power supply	Bus voltage	21-30V DC, via the EIB
	Current consumption	Max. 12mA
	Power consumption	Max. 360mW
Auxiliary Power	Work voltage	100-240VAC
	Auxiliary current	Max. 15mA
	Auxiliary power consumption	<3W
Input	20ch Binary Input	
Output	12ch Switch(4ch is 16A,other 8ch is 6A;rated voltage 250VAC)	
	2ch Dimming(TRIAC dimming output, rated current is 1A)	
	2ch Shutter(rated voltage is 250VAC,rated current is 6A)	
	1ch Fan Coil,(3levels fan output.4 pipes HVAC control system)	
Operation and display	Red LED and push button	For assigning the physical address
	Green LED flashing	For displaying application layer running normally
Temperature	Operation	-5 °C ... + 45 °C
	Storage	-25 °C ... + 55 °C
	Transport	- 25 °C ... + 70 °C
Environment	humidity	<93%,except condensation
Installation	Modular	Din-Rail 35mm DIN Rail
	Component	

CONNECTION DIAGRAM

Please see the Appendix

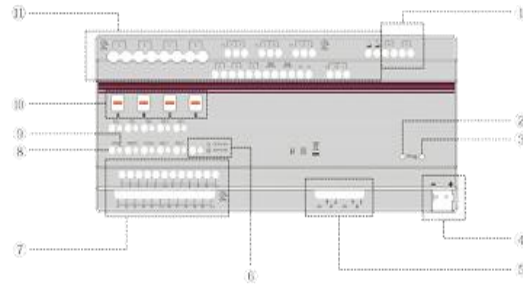
www.logic-machine.com

DIMENSIONS



Model	Dimension	Weight
LMRM4100	216×90×63.6mm	1kg

DESCRIPTIONS



- ①. Auxiliary power connection terminal
- ②. Red LED for assigning the physical address, Green LED for displaying application layer running normally
- ③. Programming push button
- ④. EIB/KNX bus connection terminal
- ⑤. Shutter/Blinds output load terminal
- ⑥. Electronic manual operation function group shift
- ⑦. Binary inputs (1...20)
- ⑧. Manual operation Electronic switch
- ⑨. channel status display
- ⑩. Manual operation, Mechanical switch and switch position display
- ⑪. Output load terminal: A-L are Switch output; V and W are Dimmer output; O-Q are Fan output; R and S are Heating valve; T and U are Cooling valve

INSTALLATION FIGURE

The devices are suitable for installation on the distribution boards with 35mm mounting rail which complies with DIN EN 60715 or a small box in order to facilitate quick installation of the device. Must ensure that the device operation, testing, detecting, maintenance correctly.

IMPORTANT INFORMATION

Installation and commissioning of the device may only be carried out by trained electricians. The relevant standards, directives, regulations and instructions must be observed when planning and implementing the electrical installation.

- Protect the device against moisture, dirt and damage during transport, storage and operation!
- Do not operate the device outside the specified technical data (e.g. temperature range)!
- The device may only be operated in closed enclosures (e.g. distribution boards).

Should the device become soiled, it may be cleaned with a dry cloth. If this does not suffice, a cloth lightly moistened with soap solution may be used. On no account should caustic agents or solvents be used.

Connection schematics

