

4sRM (4 Stand Alone Relay Module)

Product Overview

4sRM is the RELAY ON/OFF Control Module and it operates the Relay's ON/OFF control and indicating the operation status function. Through the ETLC Communication, it is connected with SCU and through the ETLC Protocol, it operates the Schedule, ON/ OFF Operation, Indication of ON/OFF Status and RELAY's Group Control and Sunrise / Sunset Control. It stores the Runtime Data and Relay's Operation Log. The each 4sRM is continuously operating its job by GLOBAL STAND ALONE function even when the central monitoring program is fault.



APPLICATIONS

- 4sRM is connected at one SCU up to 1,000 EA to operate the interlocking control for each program.
- The each 4sRM is designed to combine the Control Board, Relay Operating Board and Communication Board in one piece.
- If you pull down the case cover at front, the address setting connection terminal, data communication connection terminal and two sensor input terminal has been prepared to use the necessary part by connecting the terminal.
- The LED Indicator is prepared to display the each Relay and operating board's status, the 20 Ampere Latching Relay can be mounted at Case.
- The SCU is connected with FULL 2WIRE communication method.
- The 4sRM is using the 4 WIRE connection method that combined with the 2 WIRE Power Line that comes from EPWER and 2 WIRE Communication Line that comes from SCU.
- If customer wants to install the each 4sRM at up and down location, there is the passage way that can connect the up and down Data-Line to handle the Data-Line neatly that it cannot be seen from outside.
- RELAY is designed to mount and un-mount at 4sRM easily.

Major Feature

- It has the LED Status Indicators that display the status of each Relay.
- The Data-Line Communication that connected with 2-Wire Bus
- The Database and Modification of Program can be controlled when Downloading
- The interlocking control between each XRM is operating even when the Central Monitoring Program is fault (Global Stand Alone)
- This is the 20 A Latching Relay Method that has the Override On/OFF switch
- With the New design and Compact size, the various Application is to operate the Large and Small sized project
- It has the Control, Relay operating and Communication Board in one piece

Control Function

- The 20A Latching Relay (LR-9P) Control for 4 Circuits
- Display the Status and ON/OFF Control
- Display the Fail Status
- Use the Non-Volatile Memory to store the LOG and Runtime Information
- Address Setting : 000 – 999
- Group and Interlocking Control
- Schedule Control and Sunrise / Sunset Control
- 2DI Input Control (PSS Interlocking)

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SPECIFICATIONS

1. HARDWARE Function & Structure

- DRIVER BOARD FOR 4 RELAY
- 4EA – 20A Latching Relay
- 2EA – Digital Input
- MCU : 32bit Arm Processor(coreTex –M3) Type

2. Power Supply

- Input Power : AC24V, DC24V
- Operating Power : DC 5V, 3.3V and Other Power

3. Setting

- Address Setting : 000-999

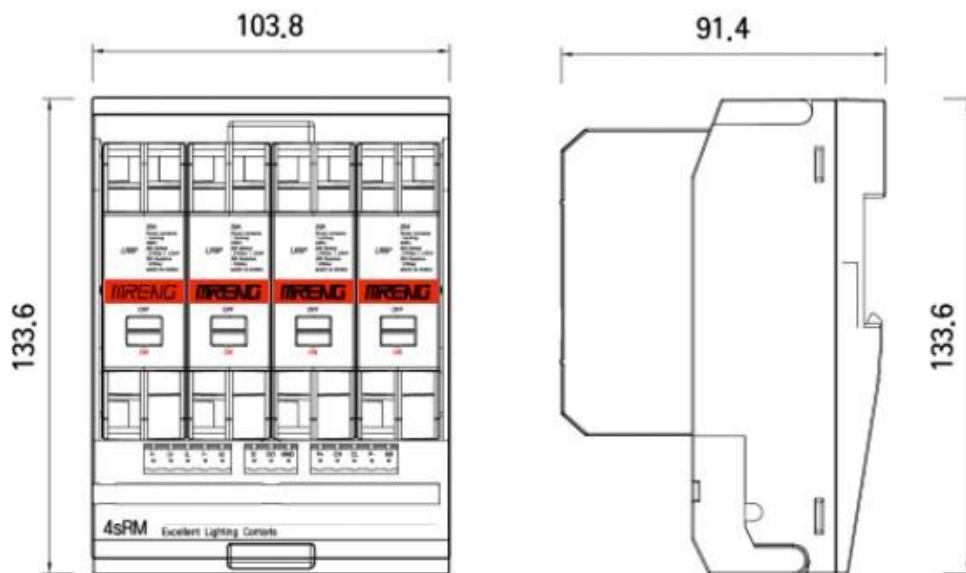
4. Operating Condition

- Operation Condition : 0 ~ 60 °C 0~90 RH

5. Communication Method

- ETLC NETWORK(FULL 2-Wire Communication)

DIMENSION



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CONNECTION DIAGRAM

