



Overview

The 6eCSM is the module that capable of 6EA of Current Sensing for each circuit. This module is built-in with CT and mounted with Current Sensing Module to measure the Current Usage for Each Relay's Circuit. The Communication between Current Sensing Module for 6eCSM and 6sRM is connected with serial method. The connection between electrical line terminal for 6sRM's each relay and the electrical line of 6eCSM can be connected to Relay Terminal directly.

The Current Sensing method of this module is based on CT type of sensing method, and the Current Sensing is 1% accuracy for the accurate current measurement is possible.

Key Feature

- Measure Current Consumption by each Circuit (Max 20A)
- Usage Integration(Daily, Monthly)
- Storage & Report for Electricity Usage (Up to 32 days at present, 16 months storage)
- Enable/Disable function for Demand Control.
- Data Line that connects to FULL 2 Wire BUS method
- Can be controlled during Down Load & Database modification operation
- Each Control Panel has Global Stand Alone function
- The continuous operation is able even when Central Control System is disabled
- To SCU (Comm. device), up to maximum of 999 EA can be connected (with xRM)

Operation

This Current Sensing Module is connected to 6sRM and can perform the Current Sensing function in conjunction with ON/OFF control for 6sRM. It also has the DEMAND control function for Current Limit Cut-Off Control. Each Current Sensing Module is consist of Current Sensing Board and Communication Board as configured for integrated structure. Therefore, if the 6eCSM is additionally installed in the Lighting Control Panel where only the previous 6sRM is applied, the current consumption of each really circuit can be measured.

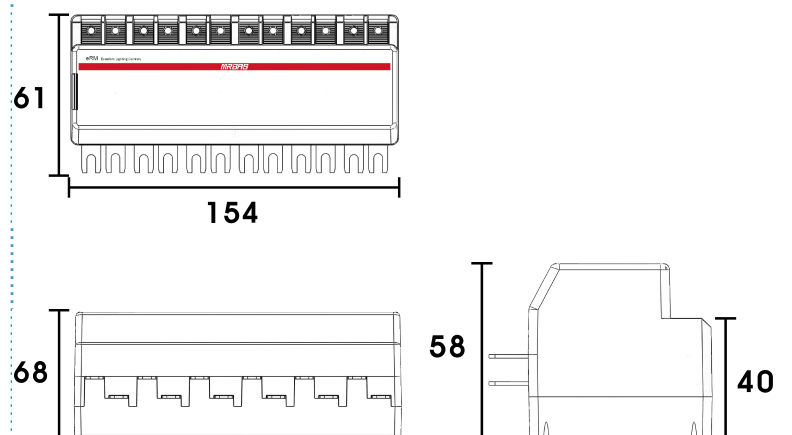
Specification

- 6ea - LED Status Indicators
- 6ea - 20 Latching Relay(DIN RAIL : LR9P)
- 6ea - Current sensing IC : 20A AC220V
- Full 2-Wire Communication
- Address Setting : 1-999
- 32Bit Stand Alone Processor
- 2ea - Digital Input
- Operation Condition : -10 ~ 60°C
- AC/DC24V, 50/60Hz, 7VA

Networking

It is connected through 6sRM and Uart communication (serial communication between each CPU) and operates as 6eCSM when connected. Also, the previous 6sRM is connected to the Data Line of the ELC System and it is connected and operated with up to 999 EA of 6sRM (including 6eSCM) for address up to 000-999.

Dimension of Layout



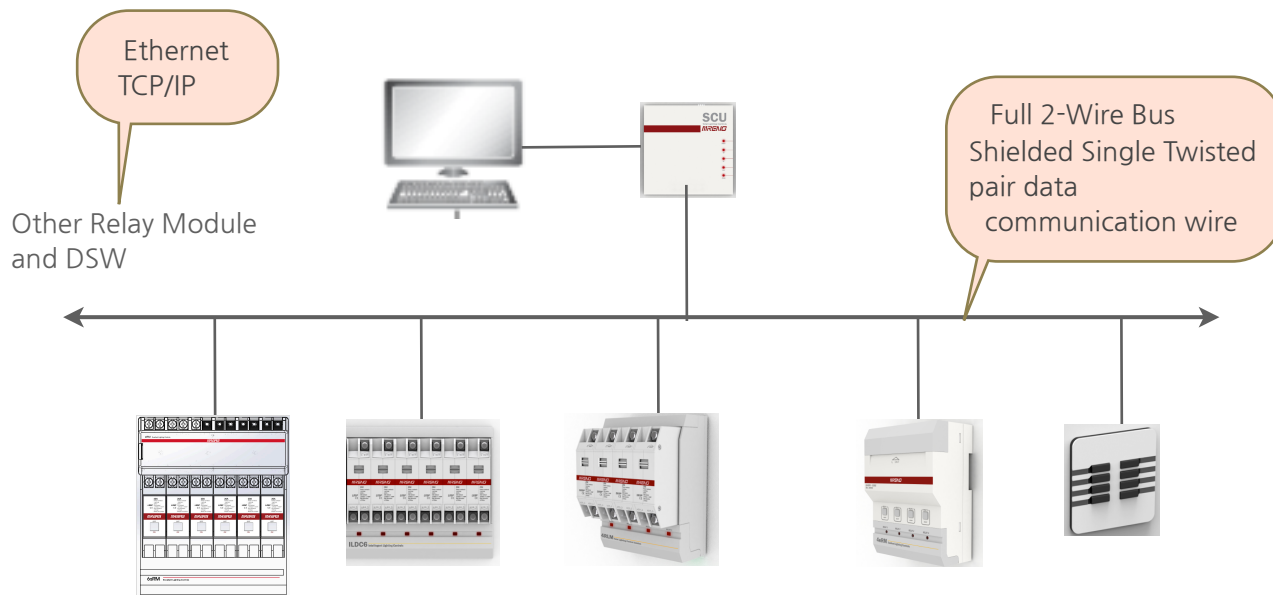


LIGHTING CONTROLS

6eCSM 6 Electric Current Sensing Module

ELC SYSTEM

System Diagram



Each Max. 999개 for Each Relay Module (6sRM+6eCSM, 4sRM, 4eRM)
Each Max. 999개 for Data Line Switch(DSW4, DSW8, TS4, TS8, STS, SWS)
Each Max. 999개 for DALI Master & 255개 Wireless Gateway

Connection Diagram

