



## Overview

SCU is the device that communicates the data between PC and Lighting Control Panel. Set the DATA-BASE of each lighting control panel, switch, sensor and DALI Master. Also process the transmitting data operation through this SCU by creating each program. The low-level of Lighting Control communication is configured with ELC Bus and the high-level of PC communication is configured with Ethernet TCP/IP. The LED that indicates the status of Power and Data Communication is located at front side to understand the Real-Time status for Data Communication Lighting Control Panel.

## Main Feature

- LED Status Indicators that display the status of System.
- The Powerful Data Communication which is the DATA-LINE that connects at Full 2-Wire Bus : It maintains the reliability of data communication even the communication environment has ungrounded system & induced power.
- When downloading the program & editing the data-base, the control is operating continuously.
- The interlocking program of each control panel is operating continuously cause of Global Stand Alone function even when the central monitoring panel is not working.
- Access up to Max. 5 Computer.
- MOD Bus connection
- Connection with GE TLC.

## Operation

The single SCU is able to communicate up to 999EA of lighting control module and 999EA of data-line switch. The SCU is located at central monitoring panel and it execute the controlling and monitoring for communication and each of local control panel that connected at PC.



- The installation of SCU is wall mounted type and on the desk type.
- It is configured with high-level network to interlock with other system for interface. Ethernet TCP/IP, MOD Bus are possible.

## Networking

SCU is connecting the low-level and high-level communication. The low-level communication is configured with Full 2-Wire Bus. It operates by connecting the lighting control panel and data-line switch up to 999EA for each. The high-level operates by connecting the Ethernet TCP/IP communication basically. If necessary, MOD Bus, BACnet communication is possible and it can be interfaced with BAS and other product.

Connected Operating Products :

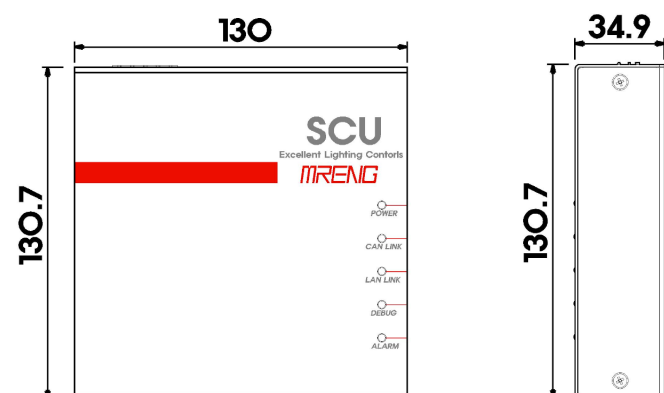
- Relay Control Module : 4sRM, 6sRM, 4eRM, 6eRM
- DM(Dali Master), LDM(LED Dali Dimming Module)
- WG(Wireless Gateway), WDM(Wireless Dimming Module), WOM(Wireless On/Off Module)
- Receiver for EnOcean Switches
- Switches : STS, DSW, TS, nTS

## Specification

- LED Status Indicators : Power, ETLK Link, Data Status, On Line, Alarm
- Connection for PC : Ethernet TCP/IP, MOD Bus
- Power : AC220/110V, 50/60 Hz.
- Size : 160(W) 60(H) 137(D)
- Weight : 980g



## Dimension of Layout



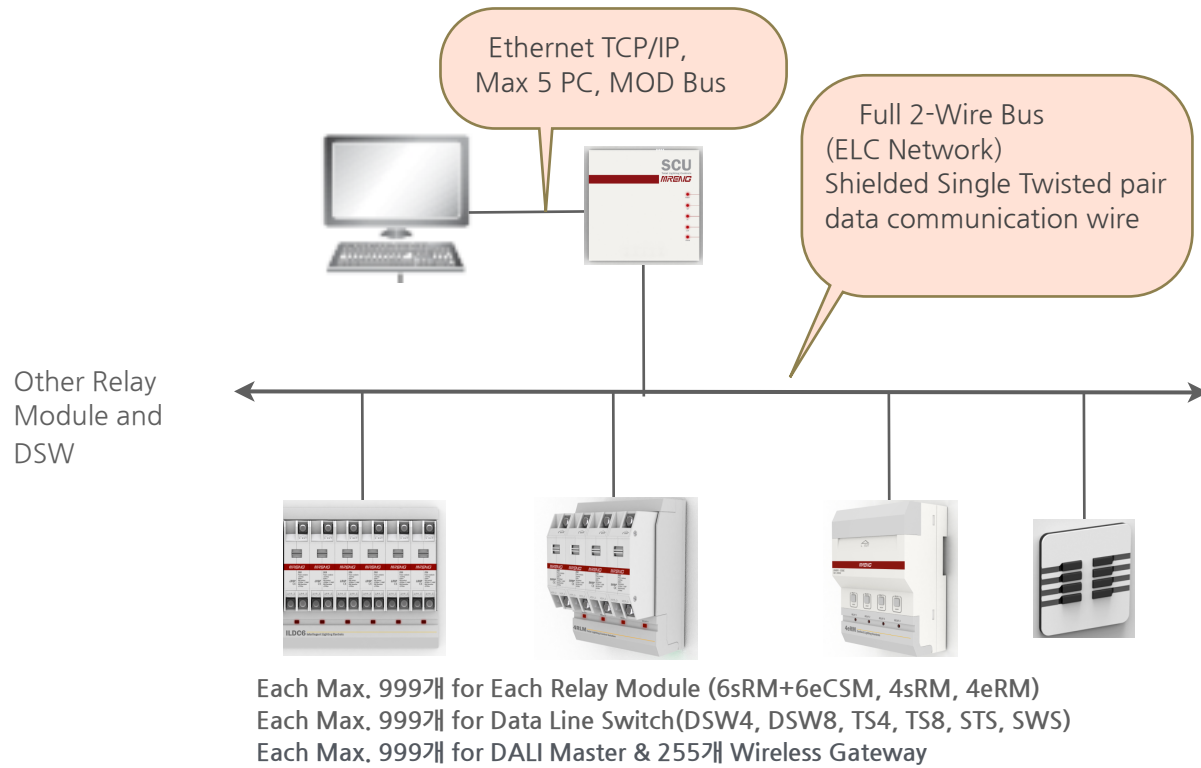


# LIGHTING CONTROLS

SCU System Communication Unit

ELC SYSTEM

## System Diagram



## Connection Diagram

