



LIGHTING CONTROLS

REPEATER

Data Line Amplifier

ELC SYSTEM

Overview

REPEATER is the communication device that amplify & recycle the data communication between SRLINK and Lighting Control Panel. The Lighting Control Panel's Low-Level network is TLC BUS which is the digital signal. Furthermore from certain distance, the output signal is decreasing. To solve this problem for longer distance data output, it may need to reset or device that amplify the output. Therefore, the REPEATER is the device that amplifies the transmission signal. It can expand the number of system by installing at the middle of SRLINK & Lighting Control Panel.

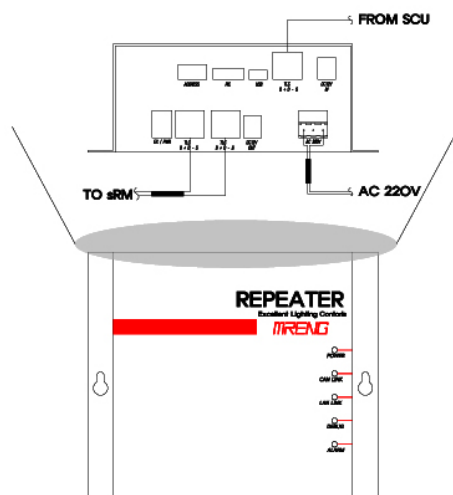
Main Feature

- The distance is expanded due to signal amplification.
- The number of connecting system is expanded.
- Eliminates the communication line noise by configuring the noise filter.
- Display the transmission line status LED.
- Display the lighting control panel field status.
- Powerful data communication that connected by Full 2-Wire Bus.
- Continuous control is possible when downloading/modifying the program & data-base.

Specification

- Input : 110/220 VAC
- DATALINE VOLTAGE : DC24V
- Distance : 1.2km
- CPU : ISOLATION 2CPU(32BIT Microprocessor 2Channel)
- Operation Environment: 14°F to 140°F(0°C to 60°C)
- Relative humidity: 0% to 95%,

Connection Diagram



Networking

REPEATER connects between High-Level & Low-Level communication. The High-Level communication is configured with Full 2-Wire Bus and it connects to SCU for use. The Low-Level communication is managed by expanding the each lighting control panel & data-line switch up to 250 nodes.

Application

When the communication error occurred by the noise from certain ETLC Network section or requesting the distance above base Specification from ETLC NETWORK, it may uses as expansion or separation of Data-Line. The primary line and secondary line is managed by separated CPU anti cuts the data noise for between each line by isolation of electrical circuit. If it uses as expansion of separate data-line, the separate Low-Level network will be created. The Data-Line is able to expand for 1.2km and 250 nodes can be added for expansion.

Dimension of Layout

