

# REPEATER (Data Line Amplification)

## Product Overview

REPEATER is a communication device which amplifies the data communication between the SCU and the Lighting Control Panel. The TLC BUS of Lighting Control Panel is Digital Signal so when the distance is further more then the output will decrease so for long distance transmission, it needs the device which can increase the output voltage.

The REPEATER is the device that can amplifies the transmitted signal. The Repeater can be installed in middle of SCU and Lighting Control Panel to expand the distance and number of connected system.



## APPLICATIONS

- Distance is extended due to signal amplification.
- Access System can be extended.
- Configure the Noise Filter to remove the Communication Line Noise.
- Display the transmission line status by LED.
- Display the Field of Lighting Control Panel.
- The Powerful Communication Line that connected with Full 2-Wire Bus.
- The continuous control is able during Downloading / Modifying the Program and Data-base.

## Major Feature

- From the ETLC Network, when the Noise is occurred at specific ETLC NETWORK line due to communication problem or Recommended SPEC required more distance for range, it can be used for purpose of dividing the Data-Line or expansion of Communication.
- The primary and secondary communication line are operated by separate CPU and it is Isolated by electrical circuit to block the Data-Noise from each Communication Line.
- If it is used at separate expansion of Data-Line, the separate low level of Network will be created and the range can be expanded for 1.2Km for Data-Line and additional of 250 nodes can be also expanded.

## Control Function

- Display the ON/OFF control and status.
- Schedule Control and Sunset / Sunrise Control,
- The ON/OFF Control by Data-Line Switch.
- Create each Program to able the transmission function.

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## SPECIFICATIONS

### 1. HARDWARE Function and Structure

- LED Status Indicators
- 1EA – DATALINE PORT(IN)
- 2EA – DATALINE PORT(OUT)
- MCU : 32bit Arm Processor(coreTex –M3) Type

### 2. Power Supply

- Input Power : AC220V
- Operating Power: DC 12V, 5V, 3.3V and Other Power

### 3. Operating Condition

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

### 4. Communication Method

- TLC NETWORK( FULL 2-Wire Communication)

## DIMENSION



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## CONNECTION DIAGRAM

