

LIGHTING CONTROL UNIT



LCU-2200

Application

LCU-2200 is a fully independent type lighting control unit of which all data can be independently set and operated, and a more diverse system can be constructed being connected with HMI or a master control unit (MCU-3000). It is made possible to manage lighting subdividing it by load using a 15 A latch relay, and the system is designed using powerful circuits to prevent unnecessary operations and malfunctions. As it has an all-in-one structure which does not require any sub-panel or additional accessory, it is simple to handle, it can be extended up to maximum 32 (based on 4 ports) switch modules (TPSM/PSM), and control can be carried out ceaselessly using its own stand-alone function even when the communication with the host is cut.

Feature

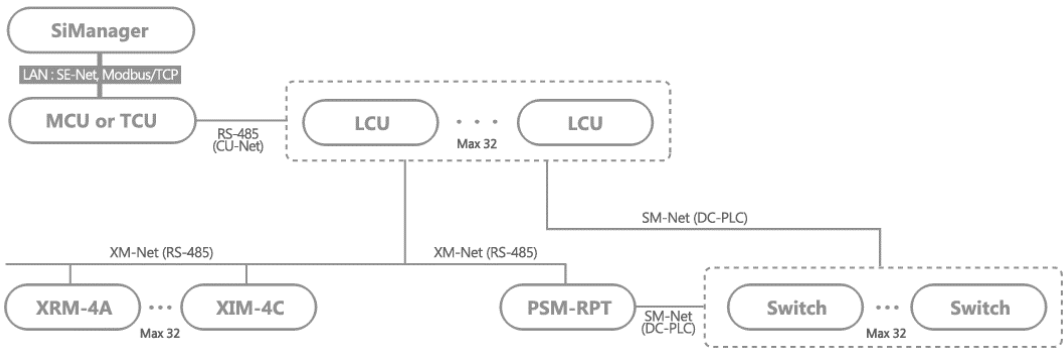
- Low priced lighting control module for which high speed RISC CUP is used.
- Stability is secured through distributed control of stand-alone type.
- Permanent storage of data through backup using a flash memory.
- Low priced type, low power consumption, and self-diagnosis function.
- Individual, group, and pattern control can be set using the embedded DIP switch (stand-alone configuration).
- Overload is prevented as relays are controlled at a certain interval when multiple relays are concurrently controlled.
- As a manual on/off switch is embedded at the top of the relay, it can be directly turned on and off when a problem occurs with the control unit.
- Program switch points direct registration function (local configuration function).
- Module type which contains 8 15 A latch relay (easy attachment and detachment, and convenient panel construction).
- Maximum 128 relays can be controlled by connecting the 8 embedded relays and LCU-2200 (slave).
- No additional circuit is required (embedded relay), and anyone can easily construct the lighting panel.
- Individual, group, and pattern control can be designated by connecting the program switch.
- An integrated system can be constructed with a power, air-conditioner, and equipment control (FCU-2200) system using a master control unit (MCU-3000).
- Maximum number of points usable:
 - Maximum 15 LCU-2200 (slave) can be connected (128 relays)
 - Max 32 switch modules (TPSM/PSM 1 port ~ 4 ports)

Technical Data

CPU	- 32bit ARM, 72Mhz
Memory	- ROM Flash Memory : 64KB - SRAM : 20KB - Serial Flash Memory : 2MB
Comm. Port	- CU-NET : RS-485/RS-232(9600bps) - XM-NET : RS-485, Cable harness - SM-NET : 2Wire Communication with Power
Self-Diagnostic	- WDT(Watch Dog Timer) Function
Output Port	- Relay Output (20A Latch Relay Output)
LED Status	- System Status Lamp : RUN - Comm. Status Lamp : CU, XM, SM - Relay Status Lamp : 4EA Relay Status
Address & Function S/W	- Rotary Switch 2EA (0~99)
Power Requirements	- AC 220V, 50/60Hz, MAX 0.1A
Ambient Operating Conditions	- -10°C ~ 60°C, 10% ~ 90%Rh(Non-Condensing)
Dimensions(W x H x D)	- 120 x 115 x 50(W x H x D mm)
Housing	- DIN RAIL / Panel Mount
Latch Relay Contact Life	- 100,000 Operation (Opening and Closing)

Control Unit

System Configuration



Shape Dimension

