



EML-24V-CB

Intelligent Control Panel
24VDC Central Battery

Features and Benefits

- Compact CBS with charger and battery (24V DC) and monitoring with conventional or addressable luminaires
- Combine advantages of addressed and decentralized systems
- Monitors all individual components of the system (only addressable type)
- Gathers all collected information to a single location
- Monitoring fast and easy
- The system records data
- The monitoring starts automatically
- Max. 120 devices/panel (20 devices/line)
- System receives power and communicates with the main unit through one cable
- RS485 or TCP / IP network structure/ 32 panels/system
- Battery replacement quick and simple
- Luminaires contain fewer components-it contributes to mitigating the harmful effects on the environment
- High level of the safety (Class III)
- Offer long-term cost advantages
- High quality and Easy to install
- Suitable in small and larger buildings as well

Overview

The main elements of the system are the following: master panel with batteries, sub-panel and lighting devices. The EML-24V-CB Main controls and monitors directly or via sub-panels the operation of the lighting devices, it monitors the working voltage in the building's distributing current circuits by the help of the control modules and in case of need it disposes of switching the lighting devices to emergency status. It has 6 output with 3.15a fuses for the lines with maximum 6 x 20 pcs light. Maximum loaded is 18A. The system use automatic addressing with unique ID's inside the lights, the programming is easy, only a Ethernet cable and software need. Permanent mode need to separate the exit lights from emergency light during the programming, the limit of these lights is 10A.

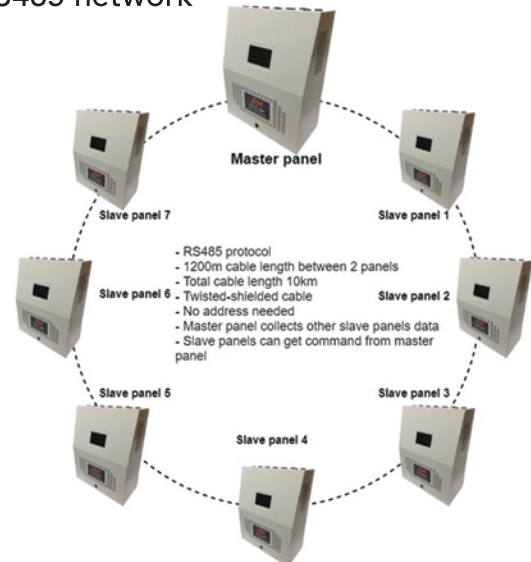
EML-24V-CB as Subpanel. It is necessary, if the quantity of the lighting devices exceeds the master panel's capacity, and if the monitored lighting devices are placed in more, faraway buildings. The sub-panel's structure is same as the master panel's structure, but it is subordinate. The master panel and the sub-panels communicate with each other via RS485 or TCP/IP network

Technical Specification

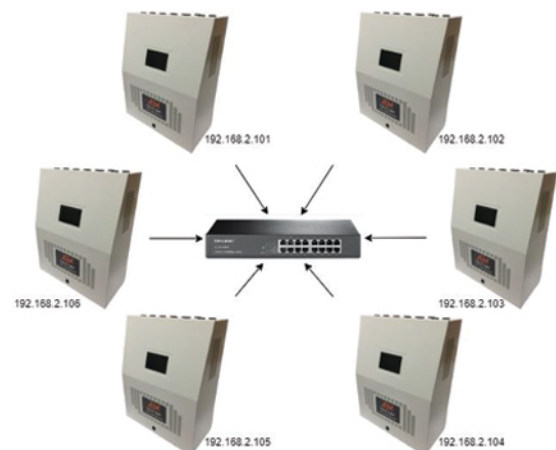
Listed	UL
Model	EML-24V-CBS / EML-24V-CBS/conv
Power Rating	
Voltage Range	100-240V AC Input 24-33V DC Output
Control Panel	
No. of Devices	120 pcs of devices (20 devices per line): Addr. max. 6x15 pcs : Conv
Communication	DC Power line (ASM BUS), UDP, MODBUS, FIREALARM (option)
Network	TCP/IP or RS485
Luminaire control	The luminaires can be controlled individuall or in groups
Store events	2000 events/control panel day/month/year
Gateway managment	32 panels per system
Software	Graphics software
Display	5" LCD Touch Screen / English
Output	4pcs. Relay contact
Dimensions/ IP protection	Width: 400 mm, Depth:186 mm Height: 720 mm IP20

Network connection types

RS485 network



TCP/IP network



Schematic Diagram

