

**ALL (Shared) the most important parameters:**

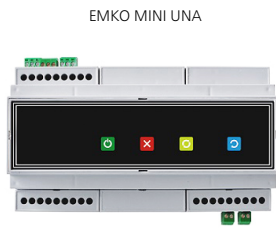
- The maximum length of a single bus is 1200 m
- Automated testing
- Night operation mode
- Internal battery supporting power supply of the central unit
- Preview of the system via any web browser
- Continuous communication with the fittings in the system
- Management and visualization of the system using dedicated software

# EMKO

The EMKO is the next generation solution dedicated to monitoring addressable emergency lighting. The EMKO system is the latest and the most advanced version of the monitoring system which controls independent fittings of emergency and evacuation lighting.



EMKO UNA



EMKO MINI UNA



EMKO TP (4000)  
MONITORING SYSTEM



EMKO SD  
MONITORING SYSTEM

## EMKO UNA

Each control unit can control up to 4000 fittings by using MPU250 submodules. Submodules communicate with the central EMKO UNA via LAN. Due to the connection through the LAN it is possible to use the Wi-Fi connection between the submodules.

EMKO UNA has a touch panel with graphical, intuitive menu. This allows you to configure the system in a simple and easy way without the use of SmartVISIO application.

Due to applied technical solutions, we have eliminated the importance of polarization of connecting the communication bus directly to:

- EMKO UNA central unit
- MP UNA submodules
- RS address modules

Each RS address module has its own individual number / address. Addresses are assigned by the factory therefore no additional devices, such as address programmers, are required.

**The most important parameters:**

- Monitoring up to 500 emergency fittings
- LEDs signaling status of the system
- Internal memory stores the reports of emergency lighting system in accordance with EN 50172
- Possibility to test the fittings individually or in a group
- RJ45 connector for direct communication with any computer via Ethernet
- Individual IP address

## EMKO MINI UNA

Using in small and medium buildings. The system is designed to monitor up to 500 emergency luminaires equipped with autonomous power supply RS sources, both fluorescent and LED.

The main advantages of the control unit are its small size and the possibility of direct mounting on TH-35 rail (DIN-3). The system is maximally simplified but has all the key features from the point of view of the user. Each control unit is equipped with an input bus RS, RJ45 connector, three LEDs indicating the status of the system, the reset button and the service pin which is used to personalize the new IP address. Communication with emergency RS luminaires is carried out by bus RS485 conducted in RS485 standard. Communication with the luminaires is continuous.

## EMKO TP (4000) MONITORING SYSTEM

Using in the buildings of medium and large size. The system is designed to monitor emergency luminaires equipped with autonomous power supply RS sources, both fluorescent and LED. The control unit allows free configuration and status monitoring of emergency lighting.

The control unit comes with 5.7-inch LCD touch screen monitor, internal communication cards which monitor up to 650 fixtures without any need for additional components, RJ45 connector, USB slot, SD connector, internal power supply battery, internal non-volatile memory. Communication with emergency

RS luminaires is carried out by bus RS485 conducted in RS485 standard. Communication with the luminaires is continuous.

**The most important parameters:**

- Monitoring up to 650 of emergency fittings
- The quantity of the monitored fittings within one system can be expanded up to 4000 emergency fittings
- Legible, big touchscreen LCD with a simple menu
- SD card slot and card itself allow to save the periodic test results, event log and system configuration, in accordance with EN 50172
- Possibility to control any group of luminaires through two internal 230V connectors
- Possibility to test the fittings individually or in a group
- RJ45 connector for direct communication with any computer via Ethernet
- Individual IP address
- Works with any BMS (Building Management System) by using the potential-free contacts

## EMKO SD MONITORING SYSTEM

Using in large and medium buildings. The system is designed to monitor the emergency fittings equipped with autonomous power supply sources (type RS), both fluorescent and LED. The central unit allows any free configuration and monitoring of the status of emergency fittings.

The central unit is equipped with a four-line LCD display, internal

communication cards which can monitor up to 1000 fittings without any additional elements, USB slot, SD slot, internal power supply battery, internal non-volatile memory. Communication with emergency RS fittings is held through a bus cable in standard RS485. Communication with the fittings is continuous. Development of the system is possible through the installation of additional central units in master-slave configuration.

**The most important parameters:**

- Monitoring up to 1000 emergency fittings
- The quantity of the monitored fittings within one system can be expanded up to 4000 emergency fittings
- Four-line LCD display
- SD slot and SD card can be used to record, transmit and print on any PC reports of emergency evacuation lighting system, in accordance with EN 50172
- Possibility to test single fixtures or group of fixtures
- USB slot
- Works with any BMS (Building Management System) by using potential-free contacts