Technical Data

Monitoring unit Logica SUPERVISION

General

Mains supply voltage	1 ~ N PE 230 V AC / 50 Hz
Battery supply voltage	5 V DC
Power consumption - mains	12 VA
Protection class	II
Degree of protection	IP20
Housing	Polycarbonate (white)
Operating	input over 4 pushbuttons, output over color display (graphic and alphanumeric)
Password protection	present - password freely selectable
IP address assignment	static or DHCP
Compatible with Logica Visual	yes
Compatible with SD Manager	no

Connections for communication & data exchange

2x USB port (type A)	- update of software / firmware
Micro USB port (type B)	- service
LAN / ethernet port (Type RJ-45)	- communication with computer - control and monitoring of luminaires - service
RS-485 bus with designation „RS485_A"	- communication with computer - control and monitoring of luminaires - service
RS-485 bus with designation „RS485_B"	- communication with monitoring units of the type Logica S - communication with monitoring units of the type NEA-LOG
RS-232 bus with designation „RS232_A"	- connection of compatible printer unit - use as Modbus RTU, UPS, EPS - service
RS-232 bus with designation „RS232_B"	- service
Port with designation „RADIO"	- not used
Quantity of monitoring units	max. 31 monitoring units (Logica S or NEA-LOG)

Connections for supply voltages

Terminal with designation „MAINS" *(2-pole, 2,5 mm²)*	mains supply voltage for operation of monitoring unit
Terminal with designation „5V IN" *(2-pole, 1,5 mm²)*	battery supply voltage for operation of monitoring unit

Connections for input of predefined commands and output of predefined of messages

4x switch input *(2-pole, 1,5 mm²)*	switch commands for subscribers (incl. groups), functions
3x signal output *(2-pole, 1,5 mm²)*	collective fault

Card slots

Micro SD card slot	- service

Permitted ambient temperatures

Operation	-10 °C to +55 °C
Storage and transport	-20 °C to +55 °C
Mounting type	Rail mounting *(9 DU)*
Measurements (H x W x D)	90 x 159 x 93 mm (all antennas installed)
Weight	350 g

Order number, part number   12131NA

Monitoring unit Logica SUPERVISION

Automatic testing device according to DIN EN 62034 for monitoring and control of exit sign luminaires, safety luminaires, supply modules and supply devices (subscribers) with Logica bus interface (DALI) and self-contained supply or EPS supply (emergency power supply). Indirect communication between monitoring unit Logica SUPERVISION and subscribers over a maximum of 31 monitoring units of the type Logica S (for self-contained supply) or a maximum of 31 monitoring units of the type NEA-LOG (for EPS supply) via RS-485 bus. Automatic addressing of all subscribers.

Monitoring functions:
- Automatic execution of function and duration tests (only for self-contained supply) on all subscribers simultaneously or staggered for subscriber groups.

- Manual execution of function and duration tests (only for self-contained supply) on all subscribers, a single subscriber or subscriber groups.

Control functions:
- Manual switching (on/off) in mains operation per subscriber or per subscriber group.

- Manual dimming (13 steps) in mains operation per exit sign luminaire / safety luminaire or per subscriber group of exit sign luminaires / safety luminaires (if supported from supply module).

Message and storage functions:
- Failure messages per subscriber:
  illuminant,
  battery (only for self contained supply),
  charging (only for self contained supply),
  communication.

- Results of the function and duration tests (only for self-contained supply) per subscriber.

Input and output:
- Free input / output of monitoring and control parameters as well as plant data.

- Emergency duration (1 h, 3 h, 8 h - only for self-contained supply) per exit sign luminaire / safety luminaire.

- Emergency duration (1 h, 3 h - only for self-contained supply) per supply module / supply device.

Programming:
- Operating mode per exit sign luminaire / safety luminaire (only for EPS supply).

- Test parameters (date, time, duration, cycle) per plant.

- Free assignment of subscriber groups.

Operation:
Operation on the monitoring unit Logica Z with input over 4 pushbuttons and output on color display (graphic and alphanumeric) or over a computer with the optional software Logica Visual. Optional USB/RS-485 interface to use a computer for connection on RS-485 bus with designation „RS485_A". Use of a computer on the LAN / ethernet port. Optional printer for connection on RS-232 bus with designation „RS232_A".