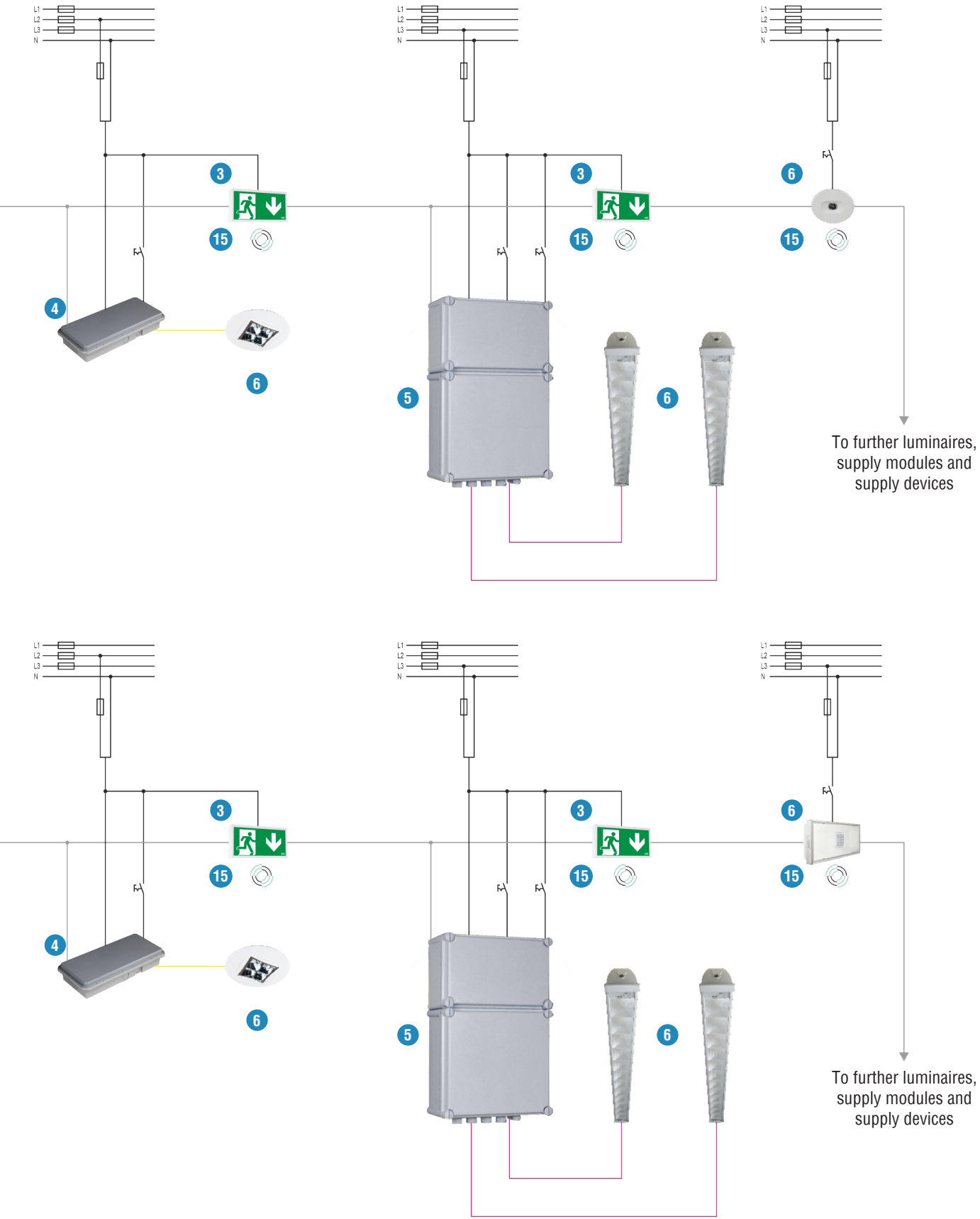


- 1 Test device **Logica Z** - 12131C
- 2 Test devices **Logica S Connect** - 12100C
- 3 **Escape sign and safety luminaires** (LG)
- 4 **Supply module** (LG)
- 5 **Supply device** (LG)
- 6 **Combined general lighting and safety luminaire** (LG)
- 7 **RS485 bus** for max. 31 Logica S Connect¹
- 8 **Logica cable bus (DALI)** for max. 128 luminaires / supply modules / supply devices²

- 230 V AC
- 230 V AC / 230 V AC (rectangular-shaped) / 230 V DC
- RS485
- USB
- Ethernet
- Logica cable bus (DALI)
- various voltages (mains voltage / lamp voltage)

^{*} LAN and WLAN with connection to WAN (internet)
^{**} Only one interface per test device possible
^{***} Cloud NuBe on servers of Beghelli
^{****} For remote access over Logica Visual required VPN connection



To further luminaires, supply modules and supply devices

To further luminaires, supply modules and supply devices

- 9 RS485/USB interface for PC with software Logica Visual¹
- 10 Ethernet³
- 11 PC with software Logica Visual⁴
- 12 PC with software Logica Visual / cloud NuBe⁴
- 13 Smartphone with software B.connect⁴
- 14 Smartphone with cloud NuBe⁴
- 15 Optical interface - flashlight of smartphone to light sensor of luminaire (unidirectional)

- ¹ Cable (RS485): min. 2 x 2 x 0.8 mm
Length: max. 1.000 m
Topology: serial
- ² Cables: 2 x 0.5 mm², length max. 150 m
2 x 1 mm², length max. 300 m
2 x 1.5 mm², length max. 500 m
Topology: serial or parallel
- ³ Cable: min. CAT-5

⁴ Compatibility of test device with software resp. cloud must be considered - see page for software resp. cloud



CENTRAL TEST DEVICES LOGICA S CONNECT & LOGICA Z

Automatic test devices, in combination according to DIN EN 62034, for monitoring and control of luminaires, supply modules and supply devices with self-contained supply and integrated Logica interface. Communication between test device Logica S Connect and max. 128 luminaires, supply modules and supply devices with self-contained supply and integrated Logica interface via cable bus according to the DALI standard. Communication between test device Logica Z and max. 31 test devices Logica S Connect via cable bus (RS485). Automatic addressing of the luminaires, supply modules and supply devices.

PROGRAMMING

Logica S Connect:

- System parameters per system¹
- Test parameters (date, time, cycle) per system¹
- Operating duration per system¹, luminaire¹, supply module¹ and supply device¹ (programming overwrites setting on luminaire, supply module and supply device)
- Switching per luminaire² and group³ (only at maintained mode)
- Free assignment of luminaires¹ to 16 groups per system

Logica Z:

- System parameters per system¹
- Test parameters (date, time, cycle) per system or per Logica S Connect
- Switching per system⁴ or per Logica S Connect⁴ (only at maintained mode)

INTERFACES

Logica S Connect:

RS485 bus for communication to

- PC⁵
- Logica Z

DALI bus / Logica interface for communication to

- Luminaires, supply modules and supply devices

LAN (Ethernet), WLAN-AP/STA for communication to

- PC or Smartphone

Logica Z:

RS485 bus for communication to

- PC⁶
- Logica S Connect
- Building management system over Modbus RTU (RS485)

RS232 bus for communication to

- Printer

LAN (Ethernet), WLAN-AP for communication to

- PC or Smartphone
- Building management system over Modbus TCP (LAN)

2x USB (type A) for

- Download of system configuration
- Download of test results
- Software updates

LTE modem (4G) for communication over

- Mobile radio network⁷

OPERATION

Operation on the automatic test devices and additionally from a PC / smartphone.

Logica S Connect:

2 buttons for input and 8 LEDs with alphanumeric labelling for output of all data and parameters.

Logica Z:

4 buttons for input and colored 2.2" display with graphic and alphanumeric interface for output of all data and parameters, multilingual (depending on installed software).

TECHNICAL DATA

Housing:	Polycarbonate, grey (RAL 7035)
Dimensions (H x W x D):	90 x 71 x 60 mm (Logica S Connect) 90 x 160 x 75 mm (Logica Z)
Division units:	4 DU (Logica S Connect) 9 DU (Logica Z)
Type of protection:	IP20
Protection class:	II
Mounting:	Distributor installation (DIN rail)
Mains supply:	230 V +/- 10 % / 50-60 Hz
Ambient temperature:	0 °C to +40 °C



FUNCTIONS

TESTING

- Automatic execution of function and duration tests per system, simultaneous or delayed for the monitoring groups²
- Logica S Connect: manual execution of function and duration tests per system, luminaire¹, supply module¹ and supply device¹ or group¹
- Logica Z: manual execution of function and duration tests per system or per Logica S Connect

CONTROL

- Logica S Connect: manual switching (on / off) in mains operation (only at maintained mode) per system¹, luminaire¹ or group¹
- Logica Z: manual switching (on / off) in mains operation (only at maintained mode) per system or per Logica S Connect
- Logica S Connect: manual dimming to fixed dimm value in mains operation (only at maintained mode) per system¹, luminaire¹ or group¹

SIGNALLING

- Logica S Connect: faults (lamp, communication fault, battery fault) per system or luminaire¹, supply module¹ and supply device¹
- Logica Z: faults (lamp, communication fault, battery fault) per system or per Logica S Connect

STORAGE

- Logica S Connect: last 4 tests per system resp. luminaire, supply module and supply device
- Logica Z: tests of the last 2 years per system resp. luminaire, supply module and supply device
- Logica S Connect: battery for data retention / operation during mains failure
- Logica Z: battery for data retention

CONTROL INPUTS AND CONTROL OUTPUTS

- Logica S Connect: 4 control inputs³ for switching of luminaires or groups (control signal: contact, potential-free)
- Logica S Connect: 1 control input³ for sub distribution monitoring (control signal: 230 V / 50-60 Hz, 1-phase)
- Logica S Connect: 1 control output³ for signalling of collective faults (control output: 1 changeover, potential-free)
- Logica Z: 4 control inputs⁴ for switching of luminaires or groups (control signal: contact, potential-free)
- Logica Z: 3 control outputs⁵ in combination with 1 to 3 fault signalling modules for signalling of collective faults (control output per fault signalling module: 1 changeover, potential-free)

LOGICA S CONNECT & LOGICA Z FOR DISTRIBUTOR INSTALLATION



Housing:	Polycarbonate, grey (RAL 7035)
Dimensions (H x W x D):	90 x 71 x 60 mm (Logica S Connect) / 90 x 160 x 75 mm (Logica Z)
Division units:	4 DU (Logica S Connect) / 9 DU (Logica Z)
Type of protection:	IP20
Protection class:	II
Mounting:	Distributor installation (DIN rail)
Mains supply:	230 V +/- 10 % / 50-60 Hz
Ambient temperature:	0 °C to +40 °C

Order code	Description
12100C	Logica S Connect for distributor installation (DIN rail)
12131C	Logica Z for distributor installation (DIN rail)

LOGICA S CONNECT FOR SURFACE WALL MOUNTING



Housing:	Polystyrene, grey (RAL 7035)
Dimensions (H x W x D):	458 x 295 x 129 mm
Type of protection:	IP65
Protection class:	II
Mounting:	Surface wall mounting
Mains supply:	230 V +/- 10 % / 50-60 Hz
Ambient temperature:	0 °C to +40 °C

Order code	Description
12100C-B	Logica S Connect for surface wall mounting

LOGICA Z FOR SURFACE WALL MOUNTING



Housing:	Polystyrene, grey (RAL 7035)
Dimensions (H x W x D):	458 x 295 x 129 mm
Type of protection:	IP65
Protection class:	II
Mounting:	Surface wall mounting
Mains supply:	230 V +/- 10 % / 50-60 Hz
Ambient temperature:	0 °C to +40 °C

Order code	Description
12131C-B	Logica Z for surface wall mounting, with fault signalling module

LOGICA S CONNECT & LOGICA Z FOR SURFACE WALL MOUNTING



Housing:	Polystyrene, grey (RAL 7035)
Dimensions (H x W x D):	583 x 295 x 129 mm
Type of protection:	IP65
Protection class:	II
Mounting:	Surface wall mounting
Mains supply:	230 V +/- 10 % / 50-60 Hz
Ambient temperature:	0 °C to +40 °C

Order code	Description
12131C-S-B	Logica S Connect and Logica Z for surface wall mounting, with fault signalling module

¹ Only over software Logica Visual with Logica Z / software B.connect with Logica S Connect / cloud NuBe with Logica S Connect possible.

² Monitoring groups: Division of luminaires in the groups "Even" and "Odd". Defined factory-made through the adicity (even or odd) of the hexadecimal device addresses. The definition can be changed over Logica Z and software B.connect / cloud NuBe (programming overwrites factory-made definition on luminaire).

³ Programmable (software only available for service technicians of Beghelli PRÄZISA Deutschland).

⁴ Only programmable over software Real Time Risparmia (software only available for service technicians of Beghelli PRÄZISA Deutschland).

⁵ Free programmable over Logica Z and software Real Time Risparmia (software only available for service technicians of Beghelli PRÄZISA Deutschland).

⁶ For PC possibly additional interface for conversion from RS485 to USB or LAN (Ethernet) required. For smartphone only indirectly possible through conversion to LAN (Ethernet) with WLAN.

⁷ The access to internet (WAN) takes place over the mobile radio network through an access point (APN). The data exchange is realized over a web server from Beghelli.