PROGRAMMING

- System parameters per system
- Test parameters (date, time, duration, cycle) per system
- Operating duration per luminaire, supply module and supply device (programming overwrites setting on luminaire, supply module and supply device)
- Switching per system, luminaire or group (only at maintained mode)
- Free assignment of luminaires to groups per system

INTERFACES

Logica S
RS485 bus for communication to
- PC with optional software Logica Visual
- Logica Z

DALI bus / Logica interface for communication to
- Luminaires, supply modules and supply devices

Logica Z
RS485 bus for communication to
- PC with optional software Logica Visual
- Logica S
- Building management system over Modbus RTU

RS232 bus for communication to
- Printer

Ethernet for communication to
- PC with optional software Logica Visual
- Building management system over Modbus TCP

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

OPERATION

Operation on the automatic test devices or from a PC with the software Logica Visual (option).

Logica S:
4 buttons for input and monochrome display (2 x 16 lines) with alphanumeric interface for output of all data and parameters, multilingual.

Logica Z:
4 buttons for input and colored 2.2" display with graphic and alphanumeric interface for output of all data and parameters, multilingual.

TECHNICAL DATA

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

CENTRAL TEST DEVICES LOGICA S AND LOGICA Z

Automatic test devices 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 and 64 luminaires max., 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 31 test devices Logica S max. via cable bus (RS485).

Automatic addressing of the luminaires, supply modules and supply devices.

FUNCTIONS

TESTING

- Automatic execution of function and duration tests per system, simultaneous or delayed for the monitoring groups
- Manual execution of function and duration tests per system, luminaire, supply module and supply device or group

CONTROL

- Manual switching (on / off) in mains operation (only at maintained mode) per system, luminaire or group
- Manual dimming in mains operation (only at maintained mode) per system, luminaire or group

SIGNALLING / STORAGE

- Logica S and Logica Z: Faults (lamp, communication fault, battery fault) per luminaire, supply module and supply device
- Logica Z: Tests of the last 2 years per luminaire, supply module and supply device

CONTROL INPUTS AND CONTROL OUTPUTS

Logica S:
- 4 control inputs, free programmable over Logica S and Logica Visual, for switching of luminaires or groups, Control signal: contact, potential-free

Logica Z:
- 4 control inputs, only programmable over Real Time Risparmia (software for service technicians of Beghelli PRÄZISA), for switching of luminaires or groups, Control signal: contact, potential-free
- 3 control outputs, only in combination with 1 to 3 fault signalling modules, free programmable over Logica Z and Real Time Risparmia (software for service technicians of Beghelli PRÄZISA), for signalling of collective faults, Control output per fault signalling module: 1 changeover, potential-free

LOGICA S AND Z FOR DISTRIBUTOR INSTALLATION

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

Order code	Description
16300	Logica S for distributor installation (DIN rail)
16305	Logica Z for distributor installation (DIN rail)

LOGICA S 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 / 50 Hz
Ambient temperature:	0 °C to +40 °C

Order code	Description
16300-B	Logica S for surface wall mounting

LOGICA Z FOR SURFACE WALL MOUNTING
with fault signalling module

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 / 50 Hz
Ambient temperature:	0 °C to +40 °C

Order code	Description
16305-B	Logica Z for surface wall mounting, with fault signalling module

LOGICA S AND Z FOR SURFACE WALL MOUNTING
with fault signalling module

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 / 50 Hz
Ambient temperature:	0 °C to +40 °C

Order code	Description
F90300	Logica S and Z for surface wall mounting, with fault signalling module

FAULT SIGNALLING MODULE

Module for ceonnection to Logica FM or Logica Z. External passing of a collective fault.

Signalling output:	Changeover, potential-free (250 V / 5 A)
Housing:	Polycarbonate, grey (RAL 7035)
Dimensions (H x W x D):	95 x 48 x 42 mm
Type of protection:	IP20
Protection class:	II
Mounting:	DIN rail
Ambient temperature:	0 °C to +40 °C

Order code	Description
G31305	Fault signalling module

RS485/ETHERNET INTERFACE

Module for communication between Logica FM, Logica S or Logica Z and a PC with the software Logica Visual over network with choice of 10 Mbit/s (10BaseT) or 100 Mbit/s (100BaseT). Is required, if a second network connection is desired per test device or several central test devices are connected over RS485 and should be monitored and controlled on a common network connection.

Scope of delivery:	1 x mains adaptor, 1 x mounting adaptor for DIN rail, 1 x adaptor plug (DE-9 <> plug terminals)
Housing:	Plastic
Dimensions (H x W x D):	90 x 48 x 25 mm
Type of protection:	IP20
Protection class:	II
Mounting:	DIN rail or surface wall mounting

Order code	Description
17223	RS485/Ethernet interface

RS485/USB INTERFACE

Module for communication between Logica FM, Logica S or Logica Z and a PC with the software Logica Visual over USB.

Scope of delivery:	1x mounting adaptor for DIN rail, 1x USB cable
Housing:	Metal
Dimensions (H x W x D):	151 x 75 x 26 mm
Type of protection:	IP20
Protection class:	III
Mounting:	DIN rail or surface wall mounting

Order code	Description
16319	RS485/USB interface

PRINTER

Printer for connection to Logica FM or Logica Z. Printout of fault messages and test results.

Paper type:	Thermal paper
Housing:	Plastic, black
Dimensions (H x W x D):	85 x 85 x 57 mm
Type of protection:	IP20
Protection class:	I
Mounting:	DIN rail

Order code	Description
16302	Printer
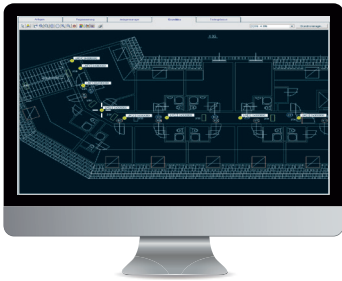
LOGICA VISUAL Monitoring and control software

Software for central monitoring and control of complex safety lightings with self-contained supply, decentral or central supply.

Version for Windows XP (32 / 64 Bit), Windows VISTA (32 / 64 Bit), Windows 7 (32 / 64 Bit) and Windows 8 (32 / 64 Bit), Windows 10 (32 / 64 Bit)

Order code	Description
12139	Logica Visual

PROGRAMMING

- import of layout plans as DXF/DWG file
- textual and graphical assignment of all systems, circuits and luminaires resp. luminaires, supply devices and supply modules
- system parameters per system
- operating mode per circuit or luminaire (decentral and central supply)
- switching per circuit or luminaire (decentral and central supply)
- switching per luminaire (self-contained supply, only at maintained mode)
- test parameters per system
  - date
  - time
  - duration
  - cycle
- free assignment of luminaires to groups per system (decentral supply, central supply and self-contained supply)
- 3 programmable time functions (time switches) each for all 7 weekdays with 5 switch-on times per week day (decentral and central supply)

FUNCTIONS

MONITORING

- automatic or manual execution of a function test
- automatic or manual execution of a duration test

CONTROL

- manual switching (on / off) of the maintained mode in mains operation per system (decentral and central supply)

SIGNALLING

- current status in online mode in graphical and numerical format per luminaire
  - operational condition
  - operating mode
  - faults
  - tests
- Faults in online mode per luminaire
  - lamp
  - communication fault
  - battery fault (self-contained supply)
- tests of the last 2 years per system