

Image



Product description

The lumina B8 binary input provides the connection between the LON network and conventional electrical switches or floating contacts. The binary input has 8 self-supplied inputs, which can be parameterised independently of each other.

With the binary input, therefore, it is possible to use all the conventional switch programs for switching on or dimming lights or electrical loads, for controlling all types of sunblinds, for saving and retrieving light scenes or for evaluating floating contacts, e.g. occupancy sensors or window contacts.

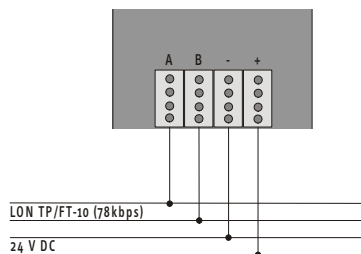
Via the lateral expansion interface, the binary input can be expanded by adding switching or blind actuators of the e.control series. The maximum expansion comprises 8 switching or 4 blind outputs:

Device Application	lumina SA4	lumina SA8	ombra BA2	ombra BA4(-DC)
4 x Light	1			
8 x Light	2*	1*		
2 x Blind			1	
4 x Blind				1

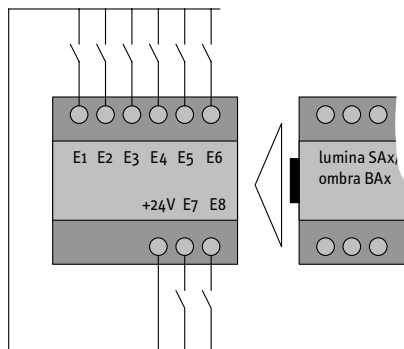
* optional

Terminal diagram

Bus connection



Input/output connections



The binary input is designed for installation in standard distribution boards or distribution boxes.


An easy LNS plug-in is available for configuration purposes.

spega Order information

Order number	Description
111 008 C	lumina B8 Binary input for installation in standard distribution boards
111 008 EH	lumina B8 Binary input for installation in standard distribution boards with e.home application


Assembly instructions


- 1 Installation in standard distribution board, width 4 TE.
- 2 The device is only suitable for the connection of floating contacts. When installing the connecting cables, please observe any likely installation distances to the low-voltage circuits in order to ensure safe isolation.

 **Electrical devices must be assembled and installed by trained personnel only.**

 **Please observe the relevant local standards, guidelines and regulations when planning and installing electrical devices.**

 **The device specifications given in this document must be adhered to.**

 **Operation of the device is determined by the application program. Only programs which have been approved by spega should be used for the device.**

 **The installer should ensure that the application program and relevant parameterisation correspond with the wiring and intended use of the device.**

Operation

Commissioning:

Please note that for commissioning purposes, a service pushbutton and a service LED have been installed on the front end (under the aluminium faceplate). The neuron ID is sent by pressing the button. A label with the neuron ID (in barcode and written form) is also stuck to the housing, allowing for separate localised connection.

To configure the display functions, use the relevant LNS plug-in (on e.control-CD or on the Internet under <http://www.spega.com>).

Notes

Any parties responsible for project planning and commissioning must be familiar with LONWORKS[®] technology.

Technical data

Power supply	
Operating voltage	24V DC (15...27V DC)
Current input	typ. 10mA (240mW) max. 60mA (1440mW)
Network	
Type of network	TP/FT-10 (78kbps)
Type of transceiver	FTT
Inputs/outputs	
Binary input	8 inputs for floating contacts, voltage 24V DC, 5mA input current
Connections	
Network	4-pin plug-in terminal connection for Ø 0,6 - 1,0mm (sol.), four bus lines can be connected for each pin
Binary input	9 x 1pin screw terminals for Ø up to 4mm ² , cables extendable up to 100m (when using twisted and shielded cables)
Service elements	
Service pushbuttons	Operation using micro pushbuttons on front ---
Other	---
Display elements	
Service LED	ON: no application loaded; FLASHING: module not configured ---
Other	---
Housing	
Type of protection	IP 20 (DIN 40050 / IEC 144)
Dimensions	85 (45) x 70 x 60 (H x W x D) – corresponds to 4 modular spacings
Type/location of installation	Standard distribution, 35mm mounting rail acc. to EN 50022
Ambient conditions	
Operating temperature	-5°C ... +45°C
Storage temperature	-25°C ... +55°C
Transportation temperature	-25°C ... +70°C
Rel. humidity	5% ...93% (without condensation)
Installation height	up to 2000 m above sea level
Security	
Electrical isolation	SELV (EN 60 950)
Class of protection	I (IEC 536 / VDE 106 part 1)
Standards/guidelines	
Device safety	acc. to EN 50 090-2-2
Immunity	acc. to EN 50 090-2-2
Certification	CE