

Figure



Product Description

The dimmer lumina DA2-UN provides two universal dimming outputs for incandescent lamps, high-voltage halogen lamps, dimmable electronic or wound transformers with a maximum load of 570 W.

By bridging both outputs the dimmer is capable of dimming loads of up to 1140 W.

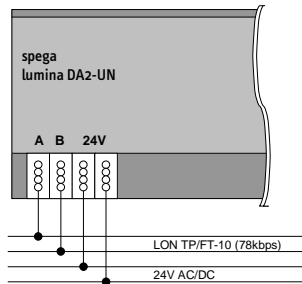
The dimming ramp and on and off delays are parametrizable by configuration properties. A stairway lighting function has a switch-off warning time, where the illumination level is reduced.

Additionally two constant light controllers and two scene controllers with 10 values are provided.

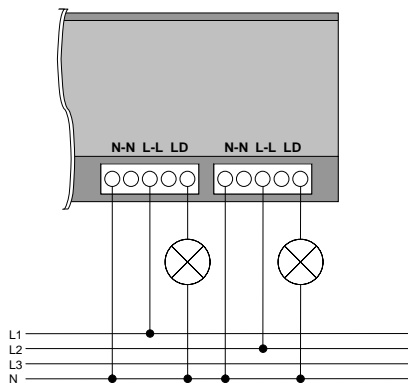
A powerful LNS-Plug-In is available for convenient setup and commissioning.

Connection Diagrams

Bus terminal connection



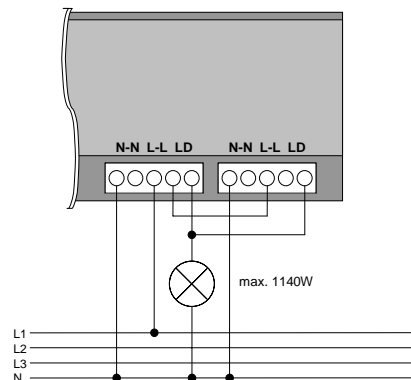
I/O terminal connection for 2 channel set-up



spega Order Information

Order Number	Description
121 152 C	lumina DA2-UN Universal dimmer 2 x 570W with e.control application
121 152 EH	lumina DA2-UN Universal dimmer 2 x 570W with e.home application


I/O terminal connection for 1 channel set-up




Mounting


- 1 DIN rail mounting according to EN50022, 7 pitch width
- 2 2 x 540 VA load rating, suitable for resistive, capacitive or inductive loads
- 3 Bridge mains on terminals if dimmer is used in a 1 channel set-up.

 **Installation and mounting of electrical devices has to be done by skilled persons.**

 **Applicable national and international standards, directions, prescriptions and guidelines have to be observed during engineering and installation of electric systems.**

 **Device specifications stated in this document have to be obeyed.**

 **The functionality of the device is determined by the application program. Only those application programs that are released by spega for this device are permitted to be loaded onto the device.**

 **The system constructor has to take on the burden that the application program and its parameters are in consistency with the wiring and purpose of the device.**

Operation

Commissioning:

To ease commissioning there is a service-pin and a service-LED on the forefront of the device. The transmission of the neuron-ID is initiated by pressing the service-pin. Furthermore there is a sticker with the neuron-ID (bar code and readable) on the housing allowing for remote binding.

I/O push buttons are applied on the front to dim connected lamps for each channel independently from the software application (self test feature).

A comfortable LNS-Plug-In is available for commissioning.

Note

For projecting, planning and commissioning of the device specialized knowledge of the LONWORKS[®] technology is required.

Technical Data

Power Supply	
operating voltage	24V AC/DC
current consumption	typ. 10mA, max. 20mA
Network	
type	TP/FT-10 (78kbps)
transceiver	FTT
Inputs/Outputs	
dimmer	2 x 570W (max.), 230V AC 50Hz, with automatic load detection
	or
	1x1140W (max.), 230V AC, 50Hz with automatic load detection
Power loss (per output)	on nominal rating: 5,7 W on open circuit: 1,4 W
Terminals	
network	pluggable 4-pin clamp-type terminal for Ø 0,6 - 1,0mm (sol.)
outputs	5 screw-type terminals per output for max. Ø 2,5mm ²
Operation	
service pin	sends Neuron-ID when pressed
I/O buttons	2 push buttons for dimming up / down connected lamps manually
Indicators	
service LED	ON: device applicationless; BLINKING: device unconfigured
run LED	indicating operating state of each channel
Enclosure	
protection degree	IP 20 (DIN 40050 / IEC 144)
metrics	90 x 123 x 50 (H x W x D) - 7 pitch
mounting	DIN rail according to EN 50022
Environment	
operating temperature	-0°C ... +40°C
storage temperature	-25°C ... +50°C
transport temperature	-25°C ... +70°C
rel. humidity	5% ...93%
operational hight	max. 2000 m above sea level
Safety	
potential separation	SELV (EN 60 950)
Standards	
product safety	according to EN 50 090-2-2
EMC	according to EN 50 090-2-2
certification	CE