# lumina T6
# Binary input
# Order no.: 211 006 C

## Image


## Product description

The lumina T6 switch interface provides the connection between the LON network and conventional electrical switches or floating contacts. The interface has 6 binary inputs, which can be parameterised independently of each other, and 2 transistor switching outputs of 24V (max. 100mA).

With the switch interface, 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.

The transistor outputs also allow for independent activation of electrical loads such as filament lamps or buzzers, e.g. for displaying acknowledgement signals.

Thanks to its compact dimensions, the binary input is suitable for installation in flush-type or hollow-wall boxes behind switches.

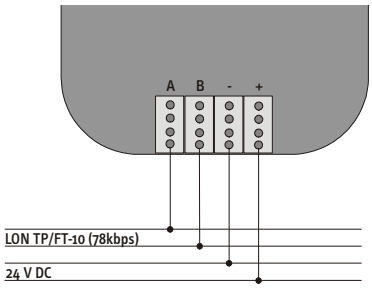
An easy LNS plug-in is available for configuration purposes.

## Scope of supply

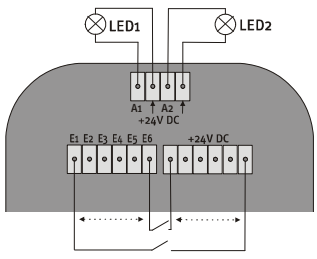
- lumina T6 binary input
- Set of cables for pushbuttons

## Terminal diagram

Bus connection




Input/output connections




## spega Order information

| Order number | Description |
|---|---|
| 211 006 C | *lumina T6*<br>binary input for concealed installation |
| 910 050 | *Cable set for lumina T6 (replacement)*<br>50 cables, 40cm long, colour-coded |



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## Assembly instructions

1 Install in a flush-type or hollow-wall box. When using a deep box, it is possible to install a conventional pushbutton in the same box.

2 When installing the device, please observe the relevant assembly instructions (see e.control CD or our website at www.spega.de)

3 Use conductors up to 0.6 mm for connecting pushbuttons and electrical loads. The enclosed cables or telephone cables (J-Y(St)Y nx2x0.6) are suitable for this. Please observe the relevant assembly instructions for connecting and releasing conductors.

4 Outputs suitable for 24V filament lamps or LEDs with the relevant series resistance.

**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:*

For commissioning purposes, a service pushbutton and service LED is installed on the front end. The Neuron ID is sent by pressing the pushbutton. A label with the Neuron ID (in written and barcode form) is also stuck to the housing, allowing for separate localised connection.

For configuration purposes, use the relevant LNS plug-in (see e.control CD or our website at 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) via bus |
| Current input | typ. 10mA (240mW)<br>max. 100mA (2400mW) |
| **Network** | |
| Type of network | TP/FT-10 (78kbps) |
| Type of transceiver | FTT |
| **Inputs/outputs** | |
| Binary inputs | 6 inputs for floating contacts, voltage 24V DC |
| Outputs | 2 transistor outputs 24V DC, max. 100mA for each output |
| **Connections** | |
| Network | 4-pin plug-in terminal connection for Ø 0.6 – 1.0mm (sol.), four bus lines can be connected for each pin |
| Inputs/outputs | Up to 16 plug-in connecting cables (length 40cm), extendable up to 100m<br>(when using twisted and shielded cables)<br>permissible Ø 0.6mm (sol.). |
| **Control elements** | |
| Service pushbutton | Operation using micro pushbuttons on front |
| Other | --- |
| **Display elements** | |
| Service LED | ON: no application loaded;<br>FLASHING: module not configured |
| Other | --- |
| **Housing** | |
| Type of protection | IP 20 (DIN 40050 / IEC 144) |
| Dimensions | 50 x 50 x 20 (H x W x D) |
| Type/location of installation | Installation in flush-type/hollow-wall box |
| **Ambient conditions** | |
| Operating temperature | 0℃ ... +50℃ |
| Storage temperature | -25℃ ... +55℃ |
| Transportation temperature | -25℃ ... +70℃ |
| Rel. humidity | 5% ... 93% (without condensation) |
| Installation height | up to 2000 m above sea level |
| **Safety** | |
| 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 |

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