ED-1AWSD

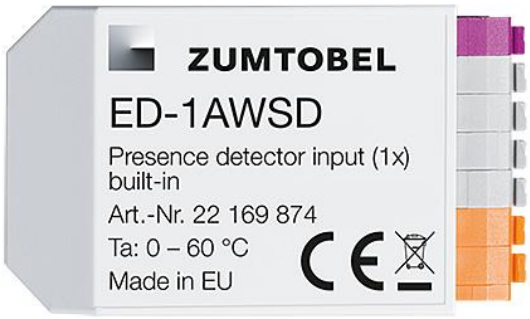
Presence sensor, recessed

Art. no. 22169874

Input device for connecting 1 occupancy sensor

Application

The ED-1AWSD module is for connecting and integrating an occupancy sensor or movement sensor with isolated switching output.
The ED-1AWSD has an S1 channel with its own address.
It is defined at the addressing stage whether the relevant channel controls a group or all the outputs.
If a higher-level system such as LITECOM or LITENET is connected, the sensor signal can be used for other functions in the light management.



Design notes

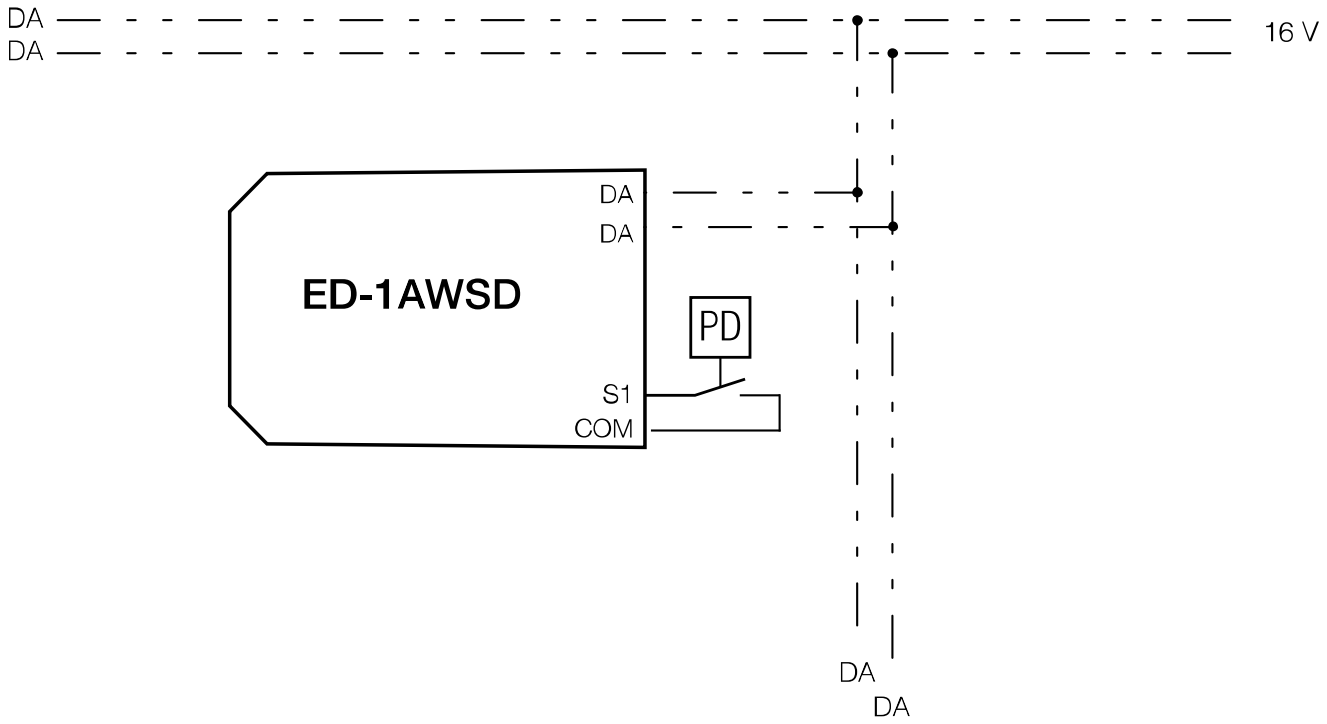
- The unit is only intended for use with the LITECOM systems (from version 2.1) and LITENET systems with the netlink CCD (from version 3.61).
- Supply: only via DALI control line; no mains supply
- Cable length between ED-1AWSD and sensor: maximum 30 cm
- Number of presence sensors: max. 1, only one presence sensor permitted per S1 input
- The unit has an internal buzzer for localisation with the addressing process.

Functional description

The ED-1AWSD detects the presence status (present/absent) and responds in the way which is configured in the supervisory system (LITECOM, LITENET, Professional).
The "person present" scene (user-definable) is retrieved by closing the sensor contact (person enters the detection range of the sensor). Once there is no longer anyone in the detection range of the sensor (sensor contact open), the "person absent" scene (user-definable) is run after the adjustable time lag has elapsed.

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Wiring scheme



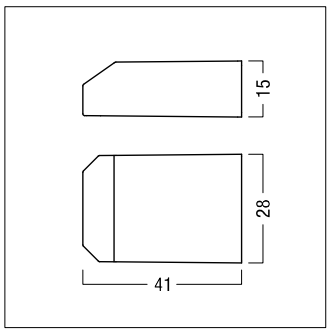
Mounting and installation instructions

- Installation: fixed only, in a clean and dry environment
- Supply: via DALI control line only; no mains voltage
- DALI control line: use standard installation material for low-voltage systems (< 1,000 V); only tree, linear and star topologies permitted; core polarity may be reversed
- Line length between ED-1AWSD and presence detector: max. 30 cm
- Input S1: connect maximum of 1 potential-free presence detector
- Input S1 and COM terminal: do not connect with mains line
- Number of presence detectors: max. 1, only one presence detector allowed per input
- Terminals: when using solid conductors, only connect one conductor per terminal

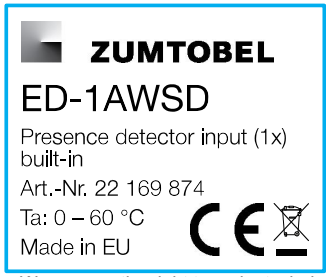
Technical data

Power supply	via DALI control line (16V DC)
Current consumption	max. 6 mA
Bus loads	max. 3
Inputs	1 input (S1) for maximum 1 zero-potential occupancy sensor
Interface	DALI control line (DA, DA)
Terminals	0.5–1.5 mm² (single or stranded wire)
Protection type	IP20
Housing material	flame-resistant polycarbonate; halogen-free
Installation	in flush socket: 60 x 61 (Ø x T, in mm)
Dimensions	47.7 x 28.2 x 14.6 (W x H x D, in mm)
Permitted ambient temperature	0–+60 °C
Relative humidity	20–90 %, non-capacitive
Weight	Approx. 0.012 kg

Dimension



Label/connections



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