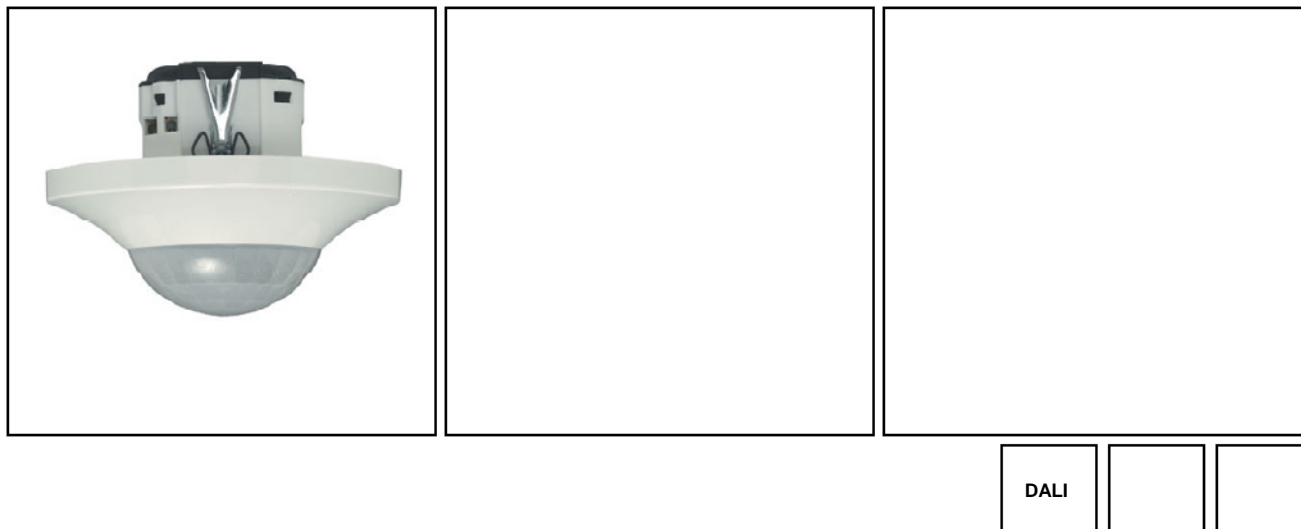


DALI Multi-Sensor LA-11

Art. no.: MTN880641

Description



- Combination of presence detector and brightness sensor with DALI interface
- Can be used together with the LON DALI controller DR-S 8DIM (art. no.: MTN 887251)
- Ceiling installation (surface-mounted installation with a surface-mounted housing)
- Circular area of detection with a diameter of about 14 m at a mounting height of 2.5 meters
- 360 degrees for the angle of detection
- Five levels of detection with 544 switching segments in 136 zones
- Brightness sensor for daylight-dependent light regulation and measuring areas 10 ... 1.000 lux
- Installation dimensions: 105 x 42.6 mm (D x H)
- With setting screws for two holding times and sensor calibration (can be overwritten by DALI commands)
- Can be addressed in the same way as DALI electronic ballast

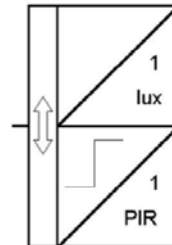
DALI Multi-Sensor LA-11

Art. no.: MTN880641

Function

Installed on the ceiling of a room, the DALI Multi-Sensor LA-11 detects the presence of people within an area of detection and simultaneously measures the intensity of light in the room. Using the integrated controller, two DALI groups can be controlled depending on daylight.

The integrated presence detector is based on the "Passive Infrared Principle" (PIR). It uses infrared radiation to recognize whether an object is moving. The area of detection changes with the height of the room: when the mounting height is 2.5 meters, for example, the diameter of the area will be 14 meters. It is divided up in circular levels with a total of 544 switching segments in 136 zones.



Installation

The Multi-Sensor is intended for surface mounted installation in or on ceilings of dry rooms.

For built-in installation, the sensor is fixed in place with two screws in a size 60mm installation box. The sensor head should be pulled off the flush-mounted part for this purpose. The sensor head is fixed in place at the flush-mounted part using coil springs. For surface mounting, the retaining ring is mounted in the surface-mounted housing, art. no.: MTN550619 which is available as an accessory.

The device requires no external operational power besides the bus voltage.

The DALI connection is done using the DA/DA terminals.

Remarks

Installation and mounting of electrical devices may only be done by a skilled electrician.

When planning and installing electrical equipment, the applicable norms, guidelines, rules and regulations for the respective country are to be followed. Beyond this, the device specifications are also to be followed. Detailed specialised knowledge of LON technology is a prerequisite for project work, installation, and putting into service.

Technical Data

Power supply

Power consumption (max.): 12 mA corresponds to 6 DALI devices

Sensor head

Angle of detection: 360°

Range: a radius of max. 7 m on the ground at a mounting height of 2.50 m

Number of zones: 136 with 544 switching segments

Light sensor: from approx. 10 to 1,000 Lux

Operating elements

Setting screws: Light holding time: 10 sec to 30 min
Holding time, heating/cooling system: 5 min to 30 min
Brightness
(Settings can be overwritten by DALI commands.)

Display elements

LED (red) under the sensor dome: flashes when addressing to identify the device

Connections

DALI: DA / DA

In preparation: 0V E1 connection for floating contact

Housing

Type of protection: IP20 (EN 60 529/IEC 144)

Fixing method: installation in flush-mounted boxes with screw fixing (60 mm) or in surface-mounted housing (art. no.: MTN550619)

Dimensions: Diameter: approx. 100 mm
Mounting height from the ceiling: approx. 50 mm

EU guideline: Low-voltage guideline: 2006/95/EEC
EMC guideline: 2004/108/EEC

Colour: similar to RAL 9010