



Lighting controls in buildings

e-Multisensor DALI is a family of multisensors for lighting control in DALI systems, based on one device for bus systems to operate with a gateway for bus management, and an stand-alone device for direct management of luminaries, with no need of additional gateways or external devices.

The device is including a high sensitivity motion sensor, designed to automate the switching on and off function of the luminaries in a zone, depending of the occupancy status, and a light sensor to measure light levels and do a constant light control based, taking the advantage of the natural light inside the building, managing the light level of the luminaries to save as much energy as possible.

A patented mechanism based in two flanges fitted around the motion sensor lens, allows to adjust the covering area of the motion sensor depending on the device position, obtaining a better motion detection over the areas of interest and avoiding false detections in neighbouring areas. It can also be possible to adjust every flange separately, obtaining better results when the device is installed in zones like corridors, loft offices, etc...

The products are designed for flush mounting on a suspended ceiling providing a wide detection area of up to 9x9m (installed at 3 m high), making it an ideal solution for open space offices.

Automatic on/off switching
and light dimming

Motion detection area adjustable

Detection area up to 13x13 m

Up to 75% energy saving

Ultra Slim design for suspended
ceiling facility

Motion sensitivity adjustable by
potentiometer

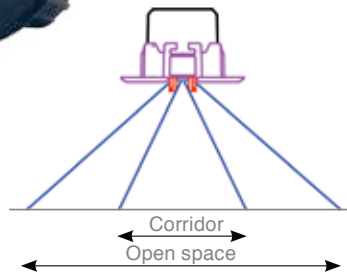
DATASHEET

Ordering numbers

MS.082002-000
e-Multisensor Bus DALI

MS.082002-001
e-Multisensor Bus DALI
Anthracite

MS.582002-010
e-Multisensor DALI Mains Wide



Installation height	Detection diameter
2,0	6,0
2,5	7,5
3,0	9,0
3,5	10,5
4,0	12,0
5,0	13,5

NOTE: Dimensions in meters

Features Bus DALI model

- Supply Voltage:
 - DALI Bus: DALI supply (16Vdc)
 - DALI consumption: 4,5mA
- Detection area 6x6mts (at 3 m high)
- Max. detection distance 8 meters
- 88 motion sensor detection zones
- Motion sensor coverage area 360°
- Lux range 0 to 1000 lux
- Light sensor measurement angle +/- 50°
- Light sensor with visible color correction radiation filter
- Flush mounting in suspended ceiling
- Dimensions 80x50 (ØxH, mm)
- Motion sensitivity adjustable by potentiometer

Installation height	Detection diameter	Detection width corridors
2,0	5,0	3,6
2,5	5,5	3,8
3,0	6,0	3,9
3,5	7,0	4,0
4,0	7,5	5,5
5,0	8,0	6,5

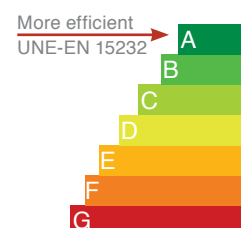
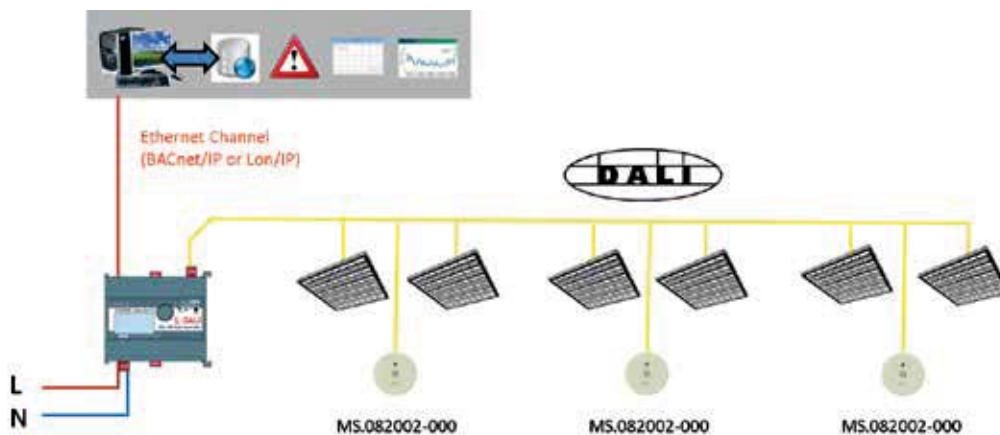
NOTE: Dimensions in meters

Features Mains Wide model

- Supply Voltage: 95-250Vac, 50/60 Hz
- Detection area 9x9mts (at 3 m high)
- Max detection distance 8 meters
- 111 motion sensor detection zones
- Motion sensor coverage area 360°
- Lux range 0 to 1000 lux
- Motion sensitivity adjustable by potentiometer
- In field sensor calibration with luxometer

e-Multisensor Bus DALI

Input / Output Diagrams



DDS001512000-0, MS.082001-000 e-Multisensor Bus DALI DDSEN