



MS.583000-000  
MS.503200-000  
MS.503201-000

### Lighting energy saving in offices

**e-Multisensor Auto** is a powerful digitally controlled multisensor range of products, designed to provide a stand-alone lighting control solution in buildings, in order to obtain an energy saving at the lowest installation and equipment cost. Including a motion sensor and a light sensor, both components combined provide multiple control applications in any building area. Three different models are available:

**e-Multisensor AutoDim DALI** and **e-Multisensor AutoDim 1-10V** are two innovative multisensors for automatic light dimming level on occupied zones. The ambient light level is measured by the light sensor to keep the luminaries at a constant value throughout the day according to a pre-defined light setpoint. This allows reducing the energy consumption of the installation at a minimum level. An auxiliary external input can be used for scene control (switch mode) or dimming control (pushbutton mode). The light level can be adjusted using the DALI protocol or the 1-10V output value depending on the device.

**e-Multisensor AutoOnOff** is a device for automatic lighting switching on control when movement is detected and the ambient light level is below a minimum pre-defined value. If the light level is over the pre-defined value, the device will keep the lights off even a movement is detected. An automatic light switching off is done in two ways: when the amount of natural light in the zone becomes over the pre-defined value even the zone is occupied or by timeout since the last detection. An auxiliary external input can be used for keeping the lights on (switch mode) or to temporarily trigger the lights on (pushbutton mode).

Stand-alone light dimming

Up to 75% energy saving

Detection area 36m<sup>2</sup>

High detection sensibility

Auxiliary multifunction external input

Flush mounting in suspended ceiling

# DATASHEET

## Energy Saving

- Constant Light Controller (AutoDim model)
- Light level setpoint setting
- Motion detector to switch off unoccupied areas
- Timeout setting for switching off occupancy relay
- External input for switch and trigger in AutoOnOff model or Scene and Manual dim in AutoDim model.
- Up to 75% energy saving

## Models

- ON/OFF: May fix the light level from which the output relay is switched on when the area is occupied.
- AUTODIM: May regulate the light level of occupied zones to a pre-defined setpoint value.

## Installation

- Direct connection from sensor to luminaire (see diagram)
- Flush mounting in suspended ceiling
- Adjustable timeout for output relay automatic switching off
- Minimum light level setting adjustment for automatic light switching on
- Lighting setpoint adjustable for automatic light dimming control

## Features

- Supply Voltage 95-250Vac 50/60Hz
- Relay output 10A/250V for motion sensor (models 1-10V and OnOff)
- Timeout switching off: 5 s to 30 min, ON position to keep light switched on
- Detection area 6x6 m (installed at 3 m high)
- Max detection distance 8 meters
- 88 motion sensor detection zones
- Motion sensor coverage area 360°
- Isolated analog 1-10V output (AutoDim)
- Lux range 0 to 1000 lux (AutoDim), 0 to 2000 lux (AutoOnOff)
- Light sensor measurement angle +/- 50°
- Light setpoint setting for automatic dimming
- Light sensor with visible color correction radiation filter
- Flush mounting in suspended ceiling
- Dimensions 80x50 (ØxH, mm)

## Ordering numbers

**DP.501100-010**  
**e-Detector AutoOnOff**

**MS.583000-000**  
**e-Multisensor AutoDim DALI**



**MS.503200-000**  
**e-Multisensor AutoDim 1-10V**

**MS.503201-000**  
**e-Multisensor AutoOnOff**



**AC.000001-000**  
**Surface mounting enclosure**  
 (\*) See on page 77



e-Multisensor AutoOnOff

e-Multisensor AutoDim 1-10V

e-Multisensor AutoDim DALI

## Input / Output Diagrams

