

µDim PIR 1-10 V Sensor



The SL-PIR-AN presence detector provides automatic control of lighting loads. The miniature size makes it ideally suited for mounting in luminaires to provide local control of individual fittings. It will switch incandescent, fluorescent and compact fluorescent lighting.

The product consists of the following :

- Sensor head with integral RJ11 sensor lead
- Power supply unit
- Flush mount bracket

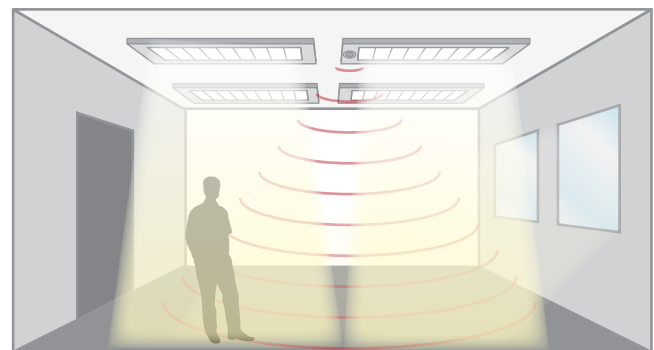
Key Features

- Dimming with lux level sensing
- Presence/Absence detection functionality
- Constant Light
- Programmable using optional IR handset

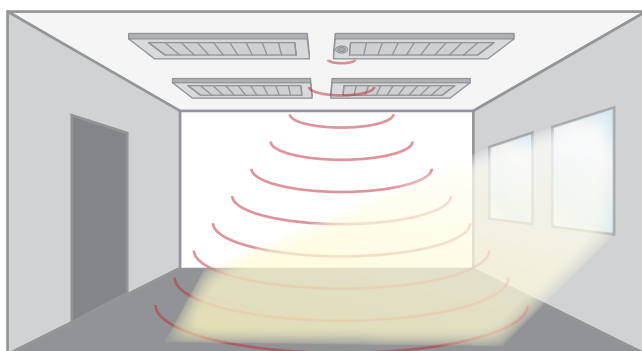
Functionality

The unit detects movement using a PIR sensor and turns the load on. When an area is no longer occupied the load will switch off after an adjustable time out period.

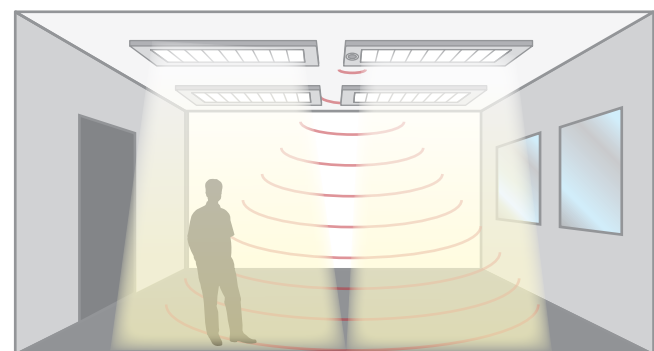
The 1-10 V output can be used to control the light output of luminaires that are fitted with dimming ballasts. The detector measures the overall light level in the detection area and calculates the correct output for the luminaires, to achieve a preset lux level (Constant Light).



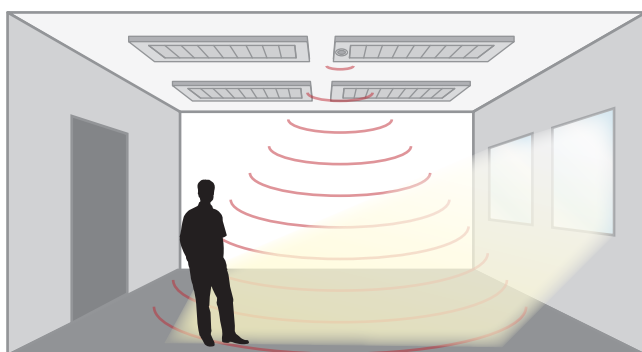
3) Presence detected some daylight.
Lights on and dimmed to maintain lux level



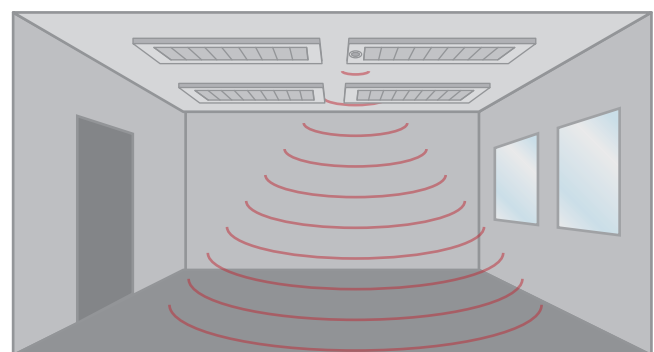
1) No presence detected, daylight, lights OFF



4) Presence detected, insufficient daylight. Detector measures and implements maintained illuminance



2) Presence detected, sufficient daylight, lights OFF



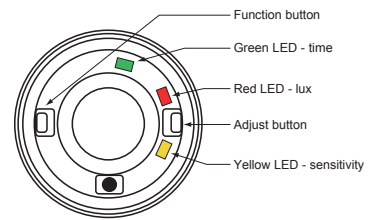
5) No presence detected, night time, lights OFF

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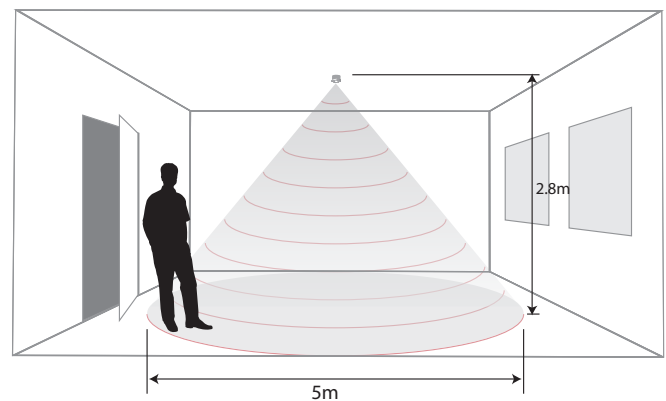
Technical specifications

- Supply voltage 220 - 240 V AC, 50 Hz
- Max load capacity 2 A – INC, ELV, FL, and CFL
4 x 1-10V ballasts
- Light level Light to dark
- Connections Integral RJ11 cable between supply unit and sensor head
- Terminals (supply unit) 1.5mm² (solid core cable only)
- Material Sensor head –PA (polyamide)
Side mounting bracket –PA
Power supply –PA
Flush holder –flame retardant ABS
Lens –PMMA (Clear acrylic)
Power supply unit housing – flame retardant polycarbonate
- Type Class 2
- Operating Temperature -10°C to 50°C
- Conformity EMC-89/336/EEC
LVD-73/23/EEC

Sensor head

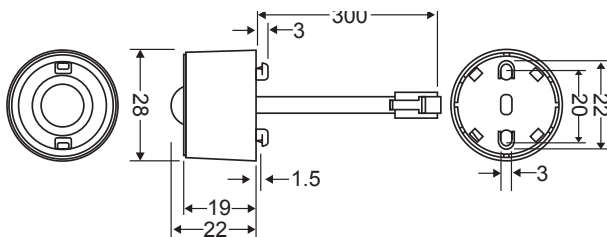


Detection area

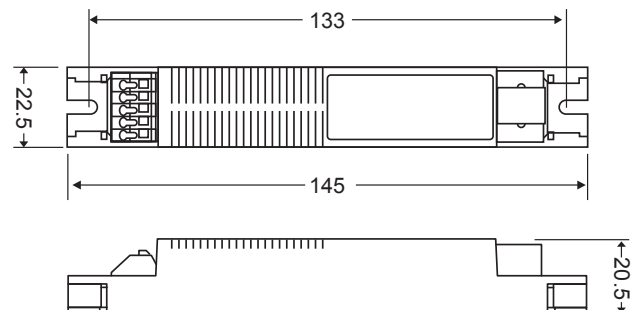


Dimensions (mm)

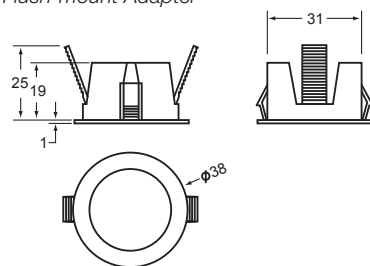
Sensor head



Power supply unit



Flush-mount Adapter



Connections

