

µDim PIR Switching Sensor



The SL-PIR-SW presence detector provides automatic control of lighting loads with optional manual control. 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 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 product consists of the following :

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

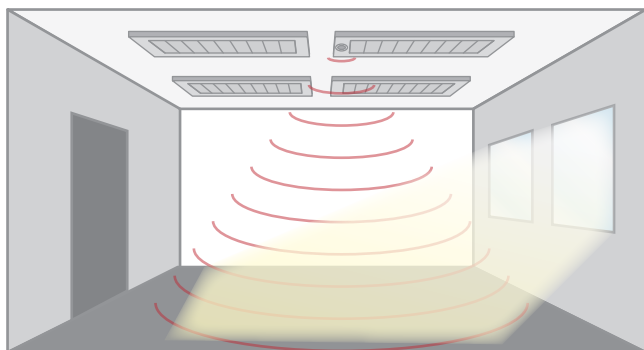
Key Features

- Time delay function
- Switching with lux level sensing
- Programmable using optional IR handset

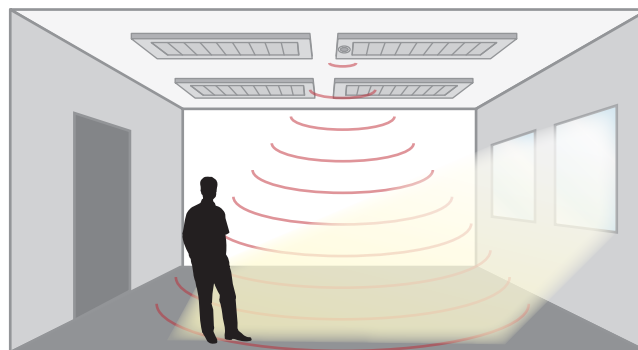


Functionality

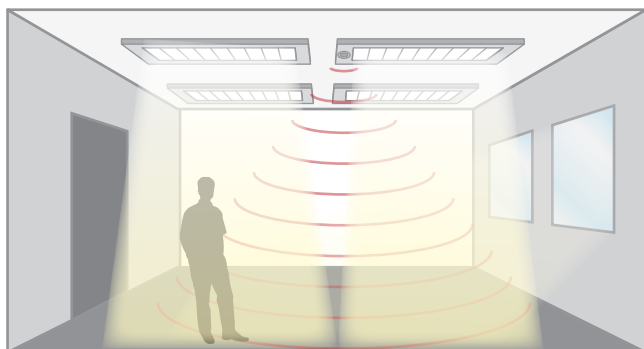
Presence detection: when movement is detected the load will automatically turn on; when the area is no longer occupied the load will automatically switch off after an adjustable time period.



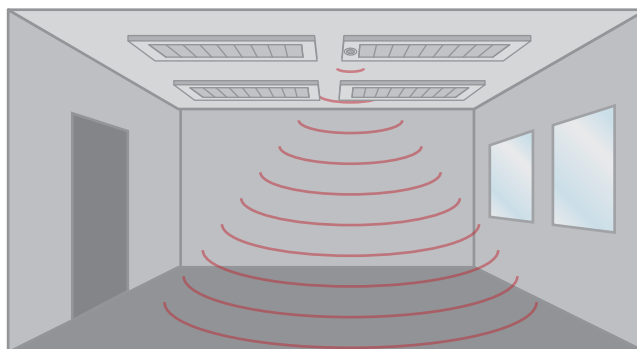
1) No presence detected, daylight, lights OFF



2) Presence detected, sufficient daylight, lights OFF



3) Presence detected, insufficient daylight, lights ON



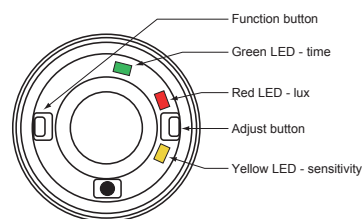
4) No presence detected, night time, lights OFF

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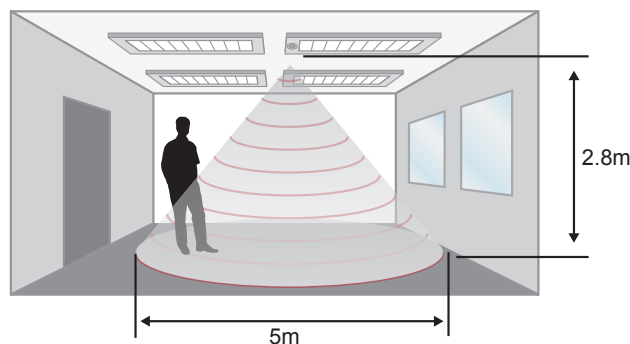
Technical specifications

- Supply voltage 220 - 240 V AC, 50 Hz
- Max load capacity 2 A, INC, ELV, FL, and CFL
- 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

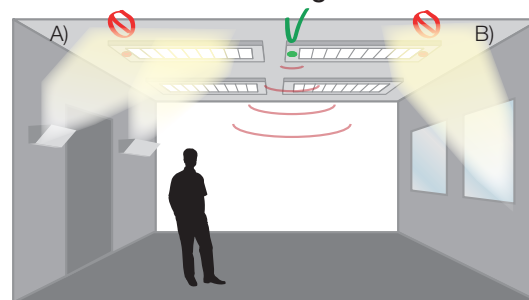
Sensor head



Detection area



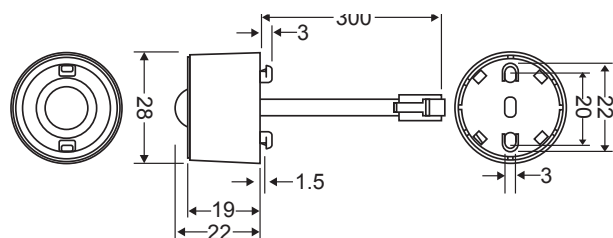
Recommended mounting location



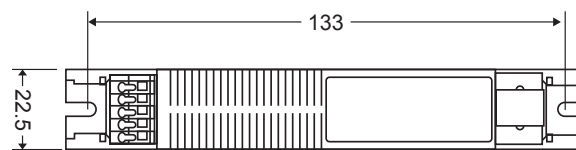
- A) Do not mount sensor in direct line of artificial light sources e.g. lamps, uplighters.
B) Do not mount sensor in direct sunlight

Dimensions (mm)

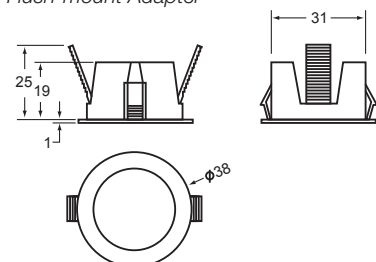
Sensor head



Power supply unit



Flush-mount Adapter



Connections

