

SET-SEN-DIM-SM

Occupancy Sensor

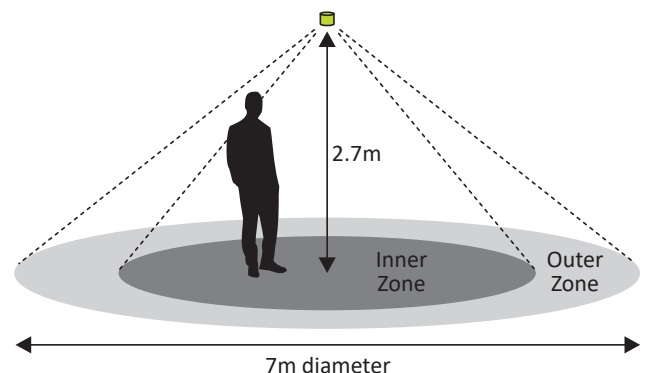
set square
energy saving controls



Key Features

- » Presence or Absence Detector (Selectable).
- » DALI Dimming.
- » Surface Mounting.
- » Standalone operation.
- » Adjustable time delay.
- » Super sensitive - dual pyro element detection.
- » Designed to be used on LED loads.
- » Multi-facet fresnel lens.
- » Set-up using an IR programming handset.
- » Mode Lighting products are guaranteed for two years.

The SET-SEN-DIM-SM is a Presence or Absence detector for Surface Mounting onto a ceiling. The SET-SEN-DIM-SM is a true stand alone multi-sensor, mains powered with occupancy and light level sensors designed to be automatically or manually switched ON via a bell-push type wall switch. Whilst the lights are ON the sensor can maintain a set lux level, dimming the LED fittings according to the incoming natural daylight. This maintained luminance function maximises energy savings. Once movement has ceased and after an adjustable time delay the sensor will automatically switch the lights OFF. As standard all SET-SEN-DIM sensors have the selectable option of DALI broadcast signal or 1-10V analogue output for dimming, all functions are adjusted through an IR handset.



Installation Diagrams

Figure 1. Mounting.

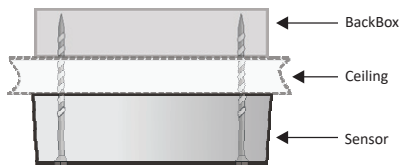


Figure 2. Wiring

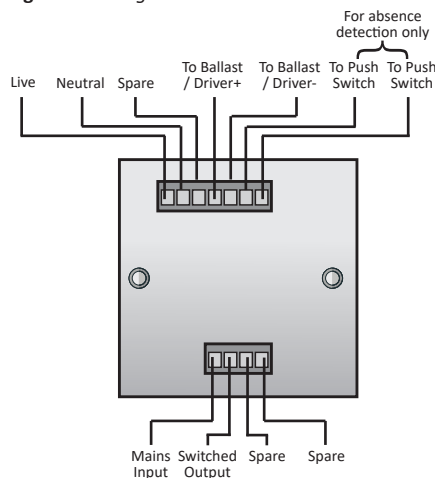
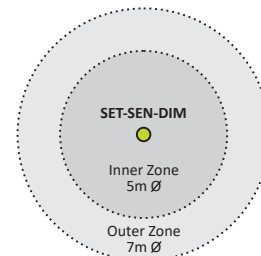


Figure 3. PIR Detection Coverage



Technical Data

Inputs	
Voltage Supply	» 230v AC 50Hz
Current Consumption	» 100mA
Connection	» 2.5mm terminal connectors.
Movement and Light Level Sensor	
Type	» Passive Infra Red
Movement Sensor Type	» Dual pyro element
Field of View	» 360°
Coverage	» Diameter = 2.5 x Ceiling Height (m). Typically 7m diameter.
Maximum Mounting Height:	» 4 metres.
Photodiode: Range	» 25 to 2,000 Lux +/- 10%
Switching and Dimming Capacity	» 9 x LED drivers or HF ballasts.
Dimming Output:	» DALI Broadcast or 1-10V. This is not an SELV output and should be treated as if at mains potential.
Time Delay	» Adjustable between 1 to 100 minutes. Test mode = 10 seconds.
Configuration Tool	» Infrared programming handset
Mechanical	
Dimensions	» L=80mm x W=80mm x D=27mm
Material	» Flame retardant ABS
Weight	» 110g
Operating temperature	» 0-40°C
IP rating	» IP 50
Mechanical Fixing	» Fits to single gang backbox

Product Codes

Product Codes	Description
SET-SEN-DIM-SM	» Standard Presence/Absence Detector
SET-SEN-DIM-SM-HB	» High Bay Sensor. Max mounting height: 15m, Coverage: 1.2 x mounting height
SET-SEN-DIM-PROG-01	» Infra Red programming handset
SET-SEN-DIM-PROG-02	» Infra Red manual control handset

Works With

Product Codes	Description
SET-MB9D	» Pluggable Lighting Control Module
SET-SEN-DIM-PROG-01	» Infra Red programming handset
SET-SEN-DIM-PROG-02	» Infra Red manual control handset
SET-SB	» Surface backbox

