

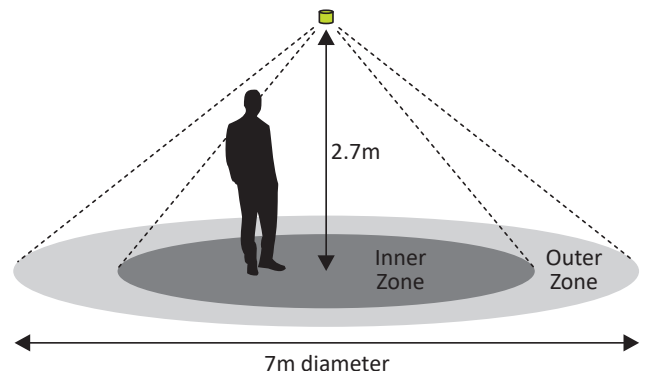
SET-SEN-DIM-BM-P Occupancy Sensor



The SET-SEN-DIM-BM-P is a Batten Mounted Presence sensor for installation on a batten type luminaire, conduit or trunking. The SET-SEN-DIM-BM-P is a true stand alone multi-sensor, mains powered with occupancy and light level sensors designed to automatically switch lighting on when movement from body heat has been detected. Whilst the lights are ON the sensor can maintain a set lux level, dimming the LED fittings according to the incoming natural daylight. This is called maintained luminance and 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

Key Features

- » Presence and Light Level Sensor.
- » DALI Dimming.
- » Batten Mounting.
- » Standalone operation.
- » Adjustable time delay.
- » Super sensitive - dual pyro element detection.
- » Designed to be used on LED loads.
- » Multi-facet fresnel lens.
- » Compact and discreet form factor.
- » Set-up using an IR programming handset.
- » Mode Lighting products are guaranteed for two years.



Installation Diagrams

Figure 1. Wiring.

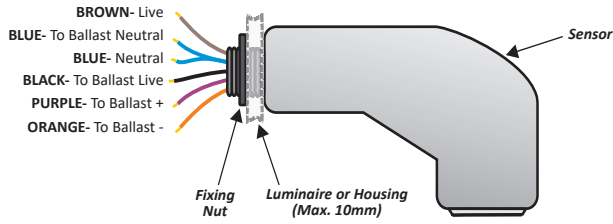


Figure 2. PIR Detection Coverage.

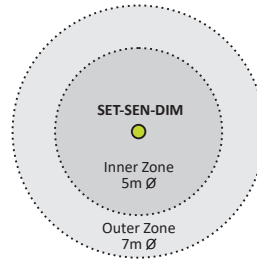
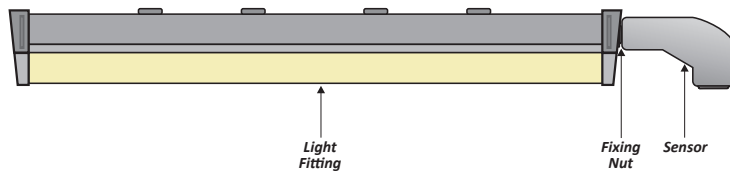


Figure 3. Batten Mounting.



Technical Data

Inputs	
Voltage Supply	» 230v AC 50Hz
Current Consumption	» 100mA
Mains & Dimming Connection Cable	» 1 Metre (3 x 1.5mm mains & 2 x 0.5mm dimming)
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. 3 Amps inductive.
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	
Mounting Detail	» Batten type light fittings, conduit or trunking
Dimensions	» L=104.5mm X Dia=48mm
Material	» Flame retardant ABS
Weight	» 145g including cable.
Operating temperature	» 0-40°C
IP rating	» IP 50
Installation Hole	» 20mm knock-out or drilled hole
Mechanical Fixing	» Fixing nut

Product Codes

Product Codes	Description
SET-SEN-DIM-BM-P	» Standard Sensor
SET-SEN-DIM-BM-P-HB	» High Bay Sensor. 20m max mounting height, 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

