

SET-SEN-DIM-RM-P

Presence Sensor

set square
energy saving controls

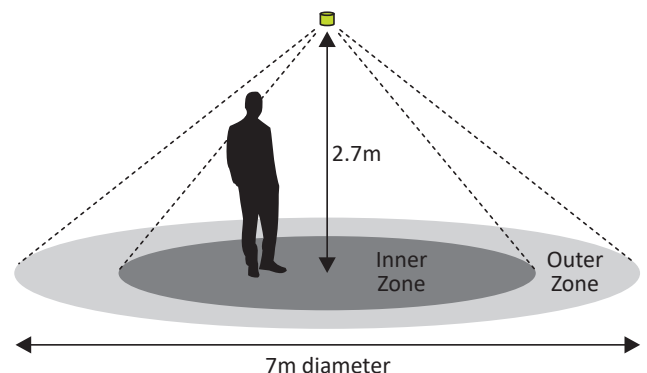


The SET-SEN-DIM-RM-P is a Presence detector for recessed mounting into a ceiling. The SET-SEN-DIM-BM-P is a true stand alone multi-sensor, mains powered with occupancy and light level sensors designed to automatically switch lighting on when movement from body heat has been detected. Whilst the lights are ON the sensor can maintain a set lux level, dimming the LED fittings according to the incoming natural daylight. This 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.

Key Features

- » Presence and Light Level Detector.
- » DALI Dimming.
- » Recessed ceiling mount.
- » 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.

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Installation Diagrams

Figure 1. Rear Mounting.

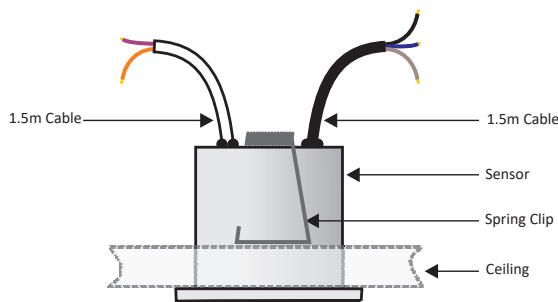


Figure 2. Wiring

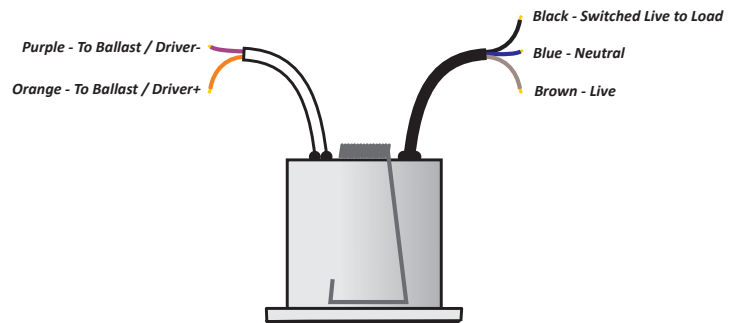
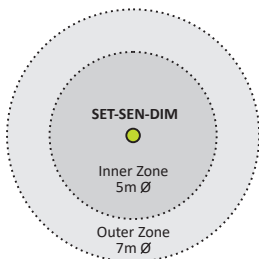


Figure 3. PIR Detection Coverage



Technical Data

Inputs	
Voltage Supply	» 230v AC 50Hz
Current Consumption	» 100mA
Connection	» Mains : 1.5m flex: 3 Core, 1mm, black sheath » Dimming : 1.5m flex: 2 core, 0.5mm, grey sheath
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.
Time Delay	» Adjustable between 1 to 100 minutes. Test mode = 10 seconds.
Configuration Tool	» Infrared programming handset
Mechanical	
Mounting Detail	» Ceiling Mount - Recessed
Dimensions	» L=40mm x Diameter=46mm, Minimum void = 70mm
Material	» Flame retardant ABS
Weight	» 280g
Operating temperature	» 0-40°C
IP rating	» IP 50
Installation hole	» 46mm
Mechanical Fixing	» Metal spring clip

Product Codes

Product Codes	Description
SET-SEN-DIM-RM-P	» Standard Presence Detector
SET-SEN-DIM-RM-P-HB	» High Bay Sensor. 15m 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

