SET-SEN-DIM-LM-P
Presence Sensor
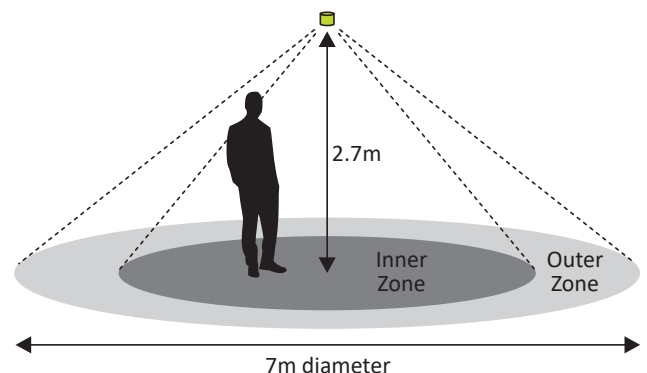
set square

energy saving controls

The SET-SEN-DIM-LM-P is a recessed mounted presence sensor for installation in ceiling tiles or plasterboard type ceilings. The SET-SEN-DIM-LM-P is a true multi-sensor, mains powered, self-contained, occupancy and light level sensor which has been designed to automatically switch lighting on when movement from body heat has been detected. It will automatically switch it off again once movement has ceased following a preset adjustable time delay.

The SET-SEN-DIM-LM-P is capable of providing a DALI (Broadcast only) or 1-10V analogue output. It provides automatic daylight linking dimming based on natural daylight ingress.

Key Features

» Presence Detector.

» Light Level Sensor.

» Standalone operation.

» Adjustable time delay.

» Super sensitive - dual pyro element detection.

» Easy mounting in plasterboard ceilings or fibre ceiling tiles.

» Multi-facet fresnel lens.

» Compact and discreet form factor.

» Mode Lighting products are guaranteed for two years.

MADE IN BRITAIN
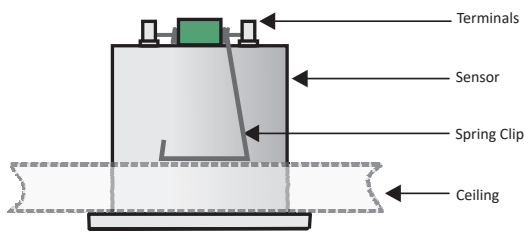
Installation Diagrams

Figure 1. *Rear Mounting.*

- Terminals
- Sensor
- Spring Clip
- Ceiling

Figure 2. *Wiring*

- **Blue** - To Ballast Neutral
- **Black** - To Ballast Live
- **Blue** - Neutral
- **Brown** - Live
- **Black** - To Ballast +
- **Purple** - To Ballast -
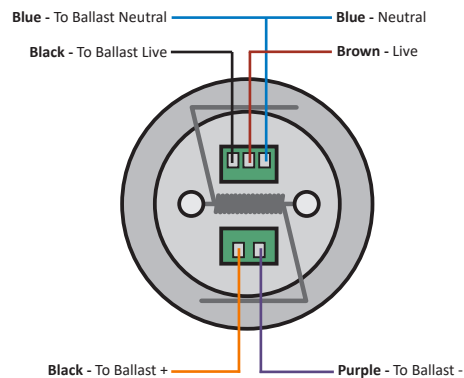
Figure 3. *PIR Detection Coverage*

SET-SEN-DIM

Inner Zone
5m Ø

Outer Zone
7m Ø
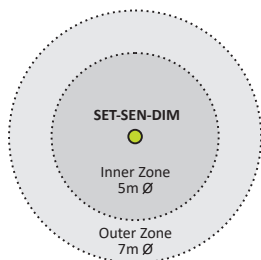
Technical Data

Inputs	
Voltage Supply	» 230v AC 50Hz
Current Consumption	» 100mA
Terminal Size	» 2.5mm CSA
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 Output	» 25 to 2,000 Lux +/- 10%
Switching Capacity	» 9 high frequency ballasts or drivers. 3 Amps inductive or resistive
Dimming Output:	» DALI (Broadcast only) or 1-10V. This is not an SELV output and should be treated as if at mains potential
Dimming Capacity:	» Up to 9 DALI, DSI or 1-10V ballasts/drivers
Time Delay	» Adjustable between 1 to 100 minutes. » Test mode = 10 seconds
Configuration accessory	» Infrared programmer
Mechanical	
Dimensions	» Length=40mm, Diameter=46mm, Minimum void=70mm
Material	» White Polycarbonate
Weight	» 70g
Operating temerature	» 0-40°C
IP rating	» IP 50
Installation hole	» 46mm
Mechanical Fixing	» Metal spring clip

Product Codes

Product Codes	Description
SET-SEN-DIM-LM-P	» Standard
SET-SEN-DIM-LM-P-HB	» High bay Sensor. Coverage (360° Field View), 1.2 x Mounting Height (maximum Mounting Height 14 Meters)

Works With

Product Codes	Description
SET-MB9D	» Pluggable Lighting Control Module
SET-SEN-PROG-01	» Programming handheld remote

CE

MODE LIGHTING