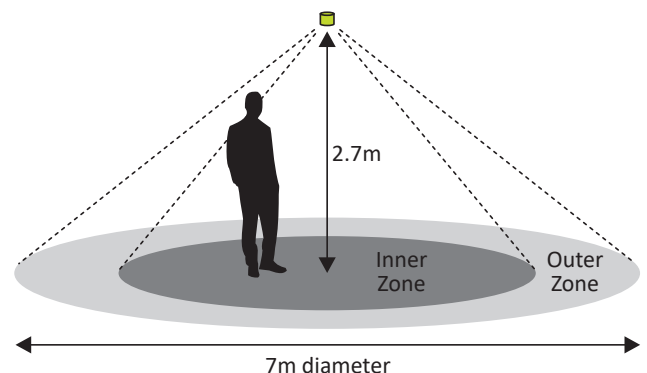# SET-SEN-DIM-BM-P
Occupancy Sensor

set square
energy saving controls

Key Features

» Presece Detector.

» Standalone configurable sensor with switching or dimming functionalities.

» Adjustable time delay.

» Super sensitive - dual pyro element detection.

» Specially designed to be used on light fittings.

» Multi-facet fresnel lens.

» Compact and discreet form factor.

» Mode Lighting products are guaranteed for two years.

The SET-SEN-DIM-BM-P is a Batten Mounted Presence sensor for installation on a batten type luminaire or side entry into a standard electrical accessory box or moulding. The SET-SEN-DIM-BM-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-BM-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.
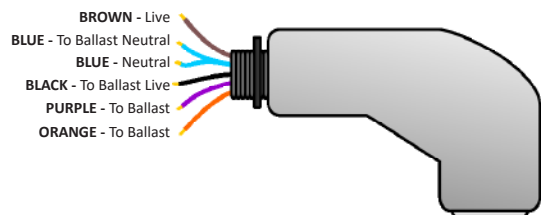
MADE IN BRITAIN

2.7m

Inner Zone

Outer Zone

7m diameter

Installation Diagrams

Figure 1. *Wiring.*

BROWN - Live
BLUE - To Ballast Neutral
BLUE - Neutral
BLACK - To Ballast Live
PURPLE - To Ballast
ORANGE - To Ballast

Figure 2. *Batten Mounting.*

Light
Fitting

Fixing
Nut

Sensor
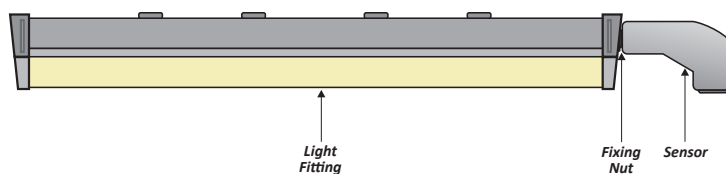
Figure 3. *PIR Detection Coverage*

SET-SEN-DIM

Inner Zone
5m Ø

Outer Zone
7m Ø
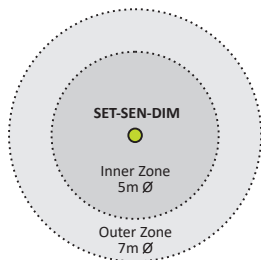
Technical Data

Inputs		
Voltage Supply	»	230v AC 50Hz
Current Consumption	»	100mA
Connection	»	Length - 1.5m: 1 x Black sheath 3 Core (1mm² CSA) and 1 x Grey sheath 4 core (0.5mm²) mains lead attached
Movement 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. 8 Amps Resistive and 3 Amps inductive.
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	»	L=104.5mm X Dia=48mm , Minimum void= 20mm
Material	»	White Polycarbonate
Weight	»	145g including cable.
Operating temerature	»	0-40°C
IP rating	»	IP 50
Installation hole	»	20mm
Mechanical Fixing	»	Fixing nut

Product Codes

Product Codes		Description
SET-SEN-DIM-BM-P	»	Standard
SET-SEN-DIM-BM-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

C E

mode LIGHTING