

SET-SEN-DIM-RM-A

Absence Sensor

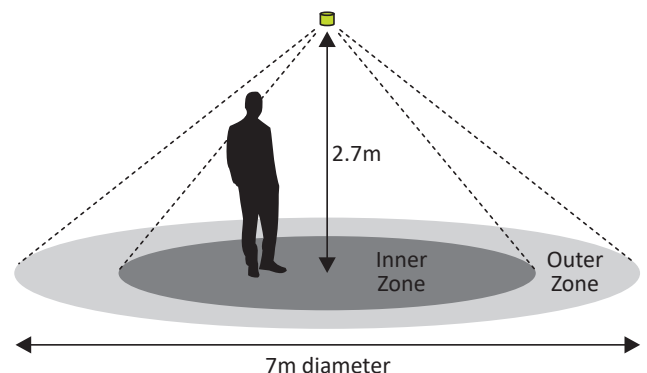
set square
energy saving controls



Key Features

- » Absence Detector.
- » Standalone configurable sensor with switching or dimming functionalities.
- » 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.

The SET-SEN-DIM-RM-A is a Recessed Mounted Absence sensor for installation in ceiling tiles or plasterboard type ceilings. The SET-SEN-DIM-RM-A semi-automatic multi-sensor is a mains powered, self contained, occupancy and light level absence detector. It requires the lights to be energised in the first instance by a non-latching, push to make, retractable switch. The lights will remain on whilst body heat movement is detected. It will automatically switch off again once movement has ceased and a preset adjustable time delay has expired. The SET-SEN-DIM-RM-A is capable of providing a DALI (Broadcast only), DSI or 1-10V analogue output. It provides automatic daylight linking dimming based on natural daylight ingress.



Installation Diagrams

Figure 1. Rear Mounting.

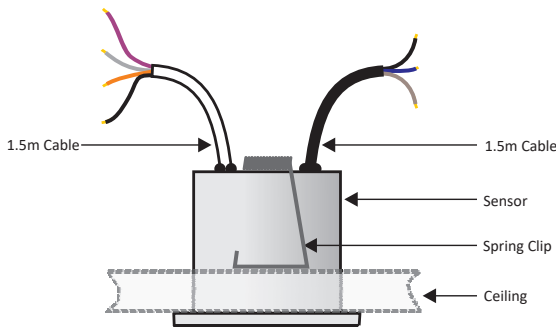


Figure 2. Wiring

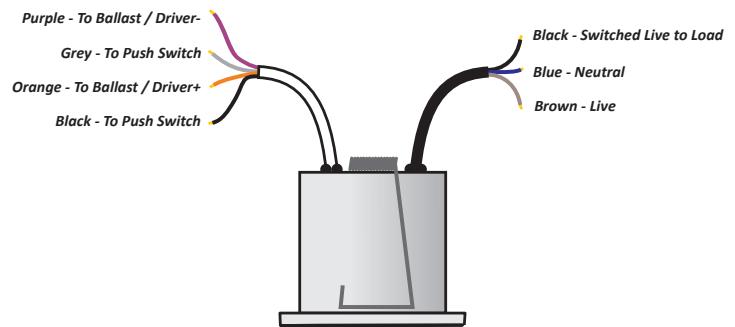
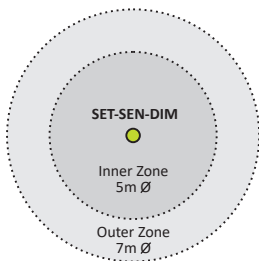


Figure 3. PIR Detection Coverage



Technical Data

| Inputs | |
|--------------------------|---|
| Voltage Supply | » 230v AC 50Hz |
| Current Consumption | » 100mA |
| Connection | » Length - 1.5m: 1 x Black sheath 3 Core (1mm ² CSA) and 1 x Grey sheath 4 core (0.5mm ²) 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. 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 | » 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-A | » Standard |
| SET-SEN-DIM-RM-A-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 |

