

# SET-PDOCH-L Occupancy Sensor

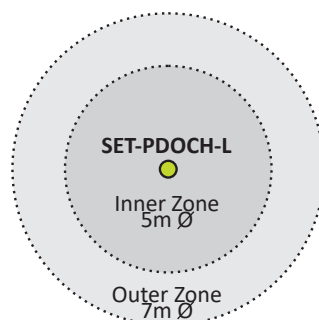
**set square**  
energy saving controls



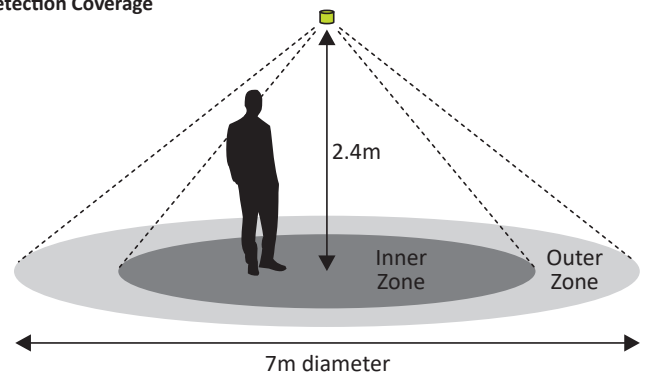
The SET-PDOCH-L is a discrete low profile ceiling mounted PIR sensor which detects the movement of infra-red radiation from a human body. The sensor provides a contact signal back to the Lighting Control System when movement is detected. The sensor can be used in many of Mode's lighting control systems including the Setsquare and eDIN systems.

## Key Features

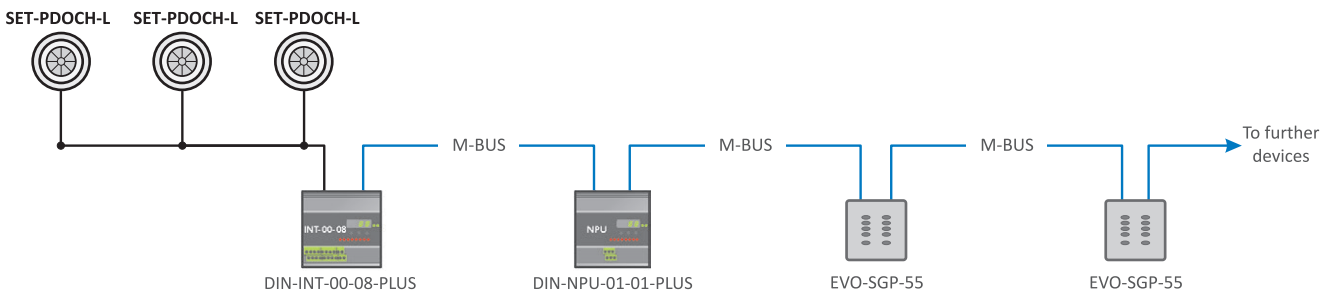
- » Occupancy sensor.
- » Isolated relay output.
- » Compact and discrete form factor.
- » Low Voltage SELV.
- » Linkable - connect multiple sensors together for greater coverage.
- » Super sensitive - dual pyro element detection.
- » Easy mounting in plasterboard ceilings or fibre ceiling tiles.
- » Multi-facet fresnel lens.
- » IP64 rated version for use within bathrooms.
- » Mode Lighting products are guaranteed for two years.



PIR Detection Coverage



### System Architecture



### Installation Diagrams

Figure 1. Rear Mounting

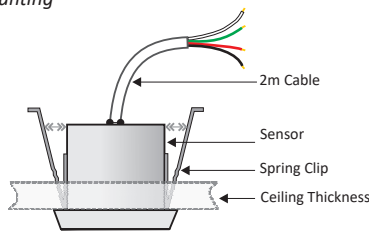
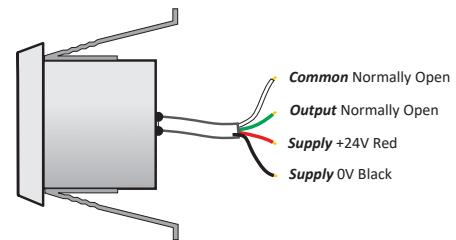


Figure 2. Wiring



### Technical Data

Inputs	
Voltage Supply	» 24v DC
Current Consumption	» 1mA
Connection	» 2 metre screened lead attached. (White)
Movement Sensor	
Type	» Passive Infra Red
Movement Sensor Type	» Dual pyro element
Field of View	» 360°
Coverage	» Diameter = 2.7 x Ceiling Height (m)
Output	» Relay Output (Solid State)
Maximum Voltage	» 30v
Maximum Current	» 30mA
Mechanical	
Dimensions	» L=47mm x W=47mm x D=35mm
Material	» White Polycarbonate
Weight	» 44g
Operating temperature	» 0-40°C
IP rating	» IP50
Installation hole	» 44mm diameter
Product Codes	
SET-PDOCH-L	» Relay output
SET-PDOCH-L-S	» Sealed IP64 rated on sensor face only

### Works With

Product Codes	Description
<b>eDIN</b>	
DIN-INT-00-08-PLUS	» eDIN 8 x Channel Input / Output Interface
DIN-UBC-01-05-PLUS	» eDIN Universal Ballast Controller Module
<b>Accessories*</b>	
SET-PDOCH-RBEZ	» Round Bezel

\*Please refer to separate datasheets for Accessories.

### Surface Mount Options<sup>Δ</sup>

Product Codes	Description
SET-PDOCH-SM	» Surface Mount Sensor
SET-PSB	» Square Surface Box Adaptor (for use with PDOCH-SM only)
SET-PDOCH-ADPT-25-WH	» Round Conduit BESA Adaptor (for use with PDOCH-SM only)

<sup>Δ</sup> Please refer to separate datasheets for SET-PDOCH-SM

Suitable for other 24V DC control systems as a volt free relay input.

