

SET-PDOCH Occupancy Sensor

set square
energy saving controls



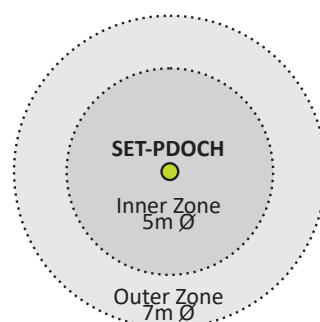
The SET-PDOCH is a discrete low profile ceiling mounted PIR sensor which detects the movement of infra-red radiation from a human body. The sensor provides a contact signal back to the Lighting Control System when movement is detected. The sensor can be used in many of Mode's lighting control systems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

Key Features

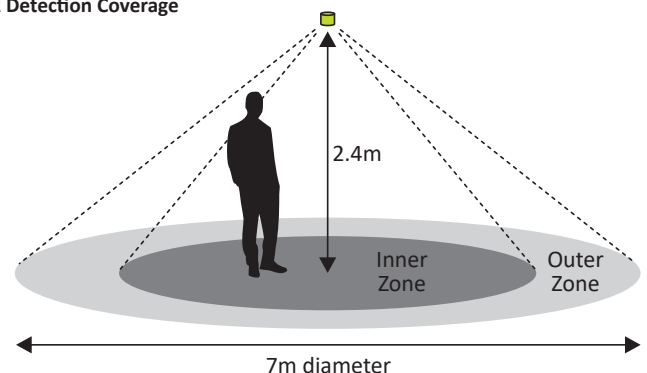
- » Occupancy sensor.
- » Compact and discreet form factor.
- » Low Voltage SELV.
- » Linkable - connect multiple sensors together for greater coverage.
- » Super sensitive - dual pyro element detection.
- » Easy mounting in plasterboard ceilings or fibre ceiling tiles.
- » Multi-facet fresnel lens.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

infrapod

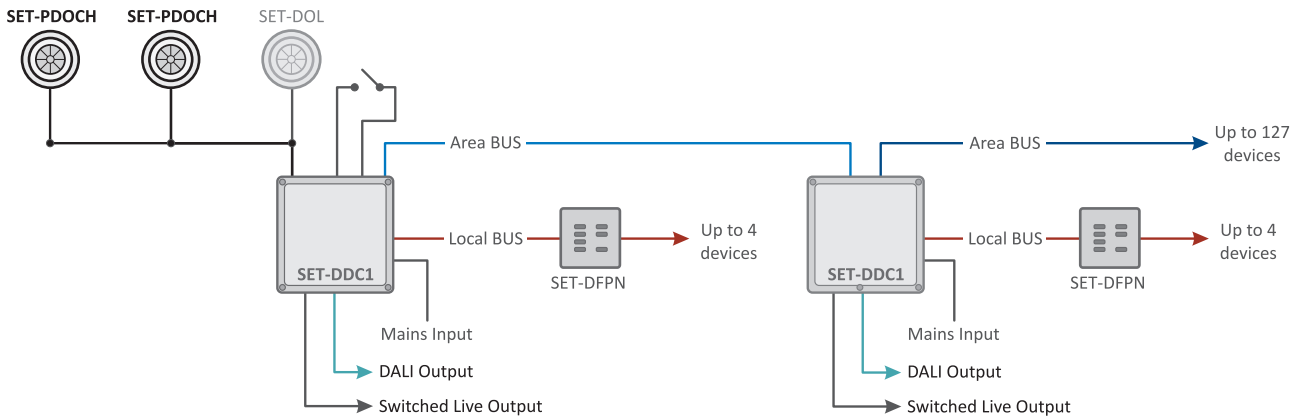
daylux



PIR Detection Coverage



System Architecture



Installation Diagrams

Figure 1. Rear Mounting

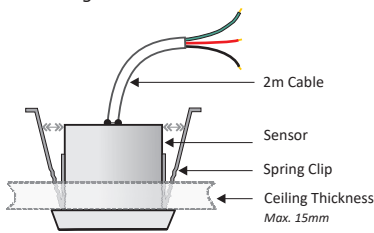
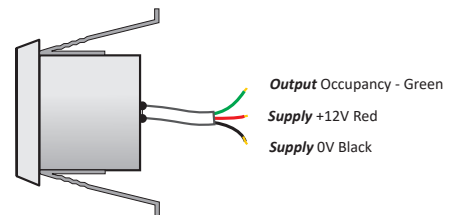


Figure 2. Wiring



Technical Data

Inputs	
Voltage Supply	» 12v DC (supplied by the controller/LCM)
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	» Open Collector
Maximum Voltage	» 40V
Maximum Current	» 25mA
Mechanical	
Dimensions	» L=47mm x W=47mm x D=35mm
Material	» White Polycarbonate
Weight	» 44g
Operating temperature	» 0-40°C
IP rating	» IP 50
Installation hole	» 44mm
Product Codes	
SET-PDOCH	» Standard - For ceiling tile mount
SET-PDOCH-S	» Sealed IP64 rated on sensor face only

Works With

Product Codes	Description
DAYLUX Lighting Control System	
SET-DDC1	» Hard Wired Lighting Control Module
SET-DDC2	» Hard Wired Lighting Control Module
SET-DDC4	» Hard Wired Lighting Control Module
InfraPOD	
SET-PODCU1	» Single Relay Controller
SET-PODCU2	» Dual Relay Controller
Accessories*	
SET-PDOCH-RBEZ	» Round Bezel

*Please refer to separate datasheets for Accessories

Surface Mount Options^Δ

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)

Δ Please refer to separate datasheets for SET-PDOCH-SM

