SET-DOL
Multi Sensor

set square

energy saving controls

Key Features

» Combined occupancy and light level sensor.

» Compact and discreet form factor.

» Low Voltage SELV.

» Linkable - connect multiple sensors together for greater coverage.

» Dynamic analogue light level sensing

» 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.

» Surface mounting kit available (SET-PSB)
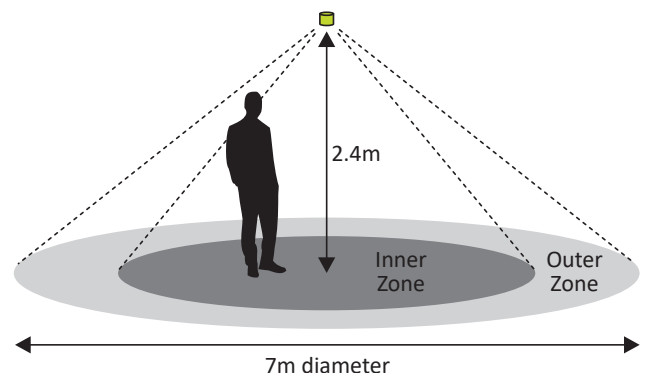
» Mode Lighting products are guaranteed for two years.

The SET-DOL is a discrete low profile, ceiling mounted Multi Sensor which combines a PIR occupancy sensor and an analogue light sensor The occupancy sensor provides a contact signal back to the Lighting Control System when movement is detected and the light level sensor reports dynamically on the current light level. The sensor can be used in many of Mode's lighting control systems including the Setsquare and eDIN systems.

infrapod   **daylux**

MADE IN BRITAIN

2.4m

Inner Zone

Outer Zone

7m diameter

System Architecture

SET-PDOCH   SET-PDOCH   **SET-DOL**

Area BUS   Area BUS   Up to 127 devices

SET-DDC1   Local BUS   SET-DDC1   Local BUS   Up to 4 devices
                       SET-DFPN   Up to 4 devices   SET-DFPN

Mains Input   Mains Input
DALI Output   DALI Output
Switched Live Output   Switched Live Output
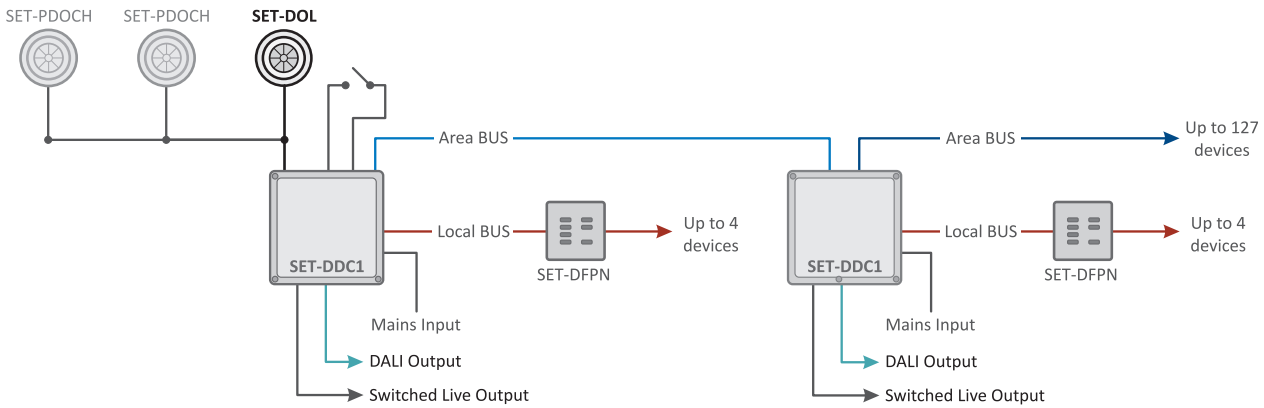
Installation Diagrams

Figure 1.
Rear Mounting.

2m Cable
Sensor
Spring Clip
Ceiling Thickness
Max. 15mm

Figure 2.
Wiring

Output Light Level - White
Output Occupancy - Green
Supply +12V - Red
Supply 0V - Black
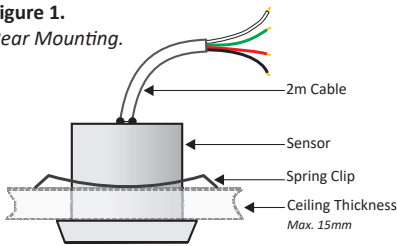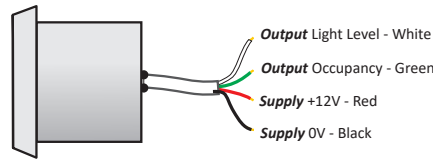
Figure 3.
PIR Detection Coverage

SET-DOL
Inner Zone 5m Ø
Outer Zone 7m Ø
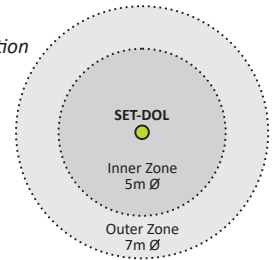
Technical Data

Inputs

Inputs	
Voltage Supply	» 12v DC (Supplied by controller/LCM)
Current Consumption	» 1mA
Connection	» 2 metre screened lead (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

Light Level Sensor	
Type	» Photo Diode
Load	» 4K7 Ohms Minimum
Output	» 0-10v DC
Lux Level	» 0-300 Lux

Mechanical	
Dimensions	» L=45mm x W=45mm x D=35mm
Material	» White Polycarbonate
Weight	» 44g
Operating temerature	» 0-40°C
IP rating	» IP 50
Installation hole	» 38mm
Mechanical Fixing	» Metal spring clip

Product Codes	
SET-DOL	» Standard - For ceiling tile mount
SET-DOL-S	» IP rated (IP 64)
SET-DOL-FF	» Front Fit - For fixed ceilings

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
SET-PSB	» Surface Mount Kit
SET-FF	» Front Fit Kit
InfraPOD	
SET-PODCU1	» Single Relay Controller
SET-PODCU2	» Dual Relay Controller

CE   **MODE LIGHTING**