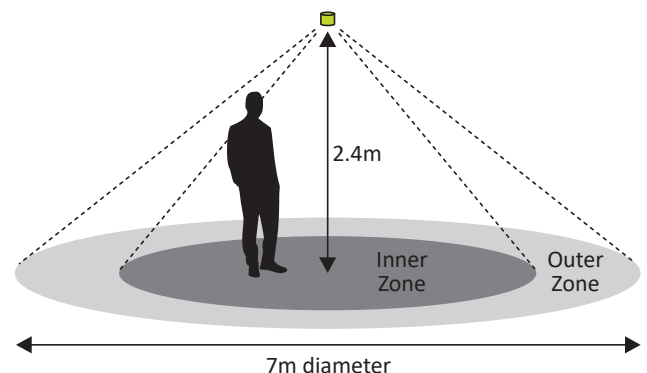# SET-DOL-RJ
Multi Sensor

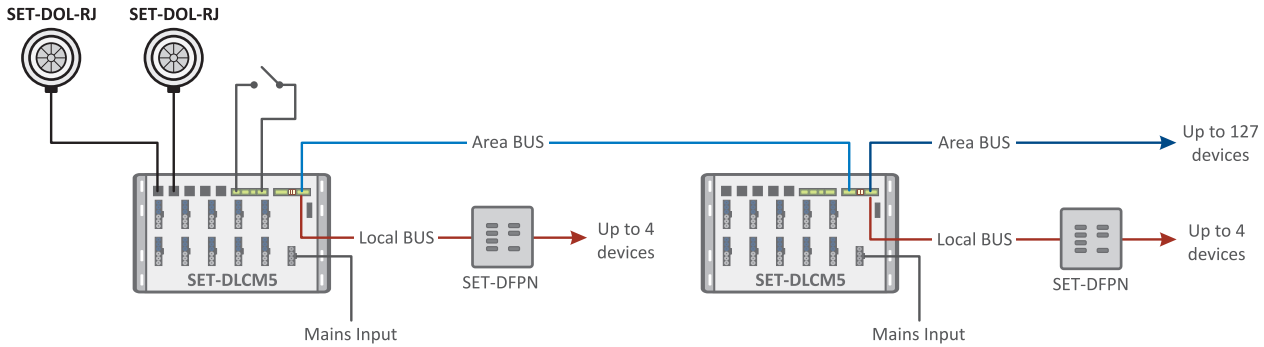**set square**

energy saving controls

The SET-DOL-RJ is a discrete low profile, ceiling mounted Multi Sensor which combines a PIR occupancy sensor and an analogue light sensor. Specifically designed to connect into the SET-DLCM3 or SET-DLCM5 Lighting Control Modules, the sensor comes complete with a 5 metre RJ12 to RJ12 connection lead enabling rapid installation. The occupancy sensor provides a contact signal back to the LCM when movement is detected and the light level sensor reports dynamically on the ambient light level.

Key Features

» Combined occupancy and light level sensor.

» Compact and discreet form factor.

» Low Voltage SELV.

» 5 metre RJ12 to RJ12 lead included for quick installation.

» 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.

daylux

MADE IN BRITAIN

2.4m

Inner Zone

Outer Zone

7m diameter

System Architecture

SET-DOL-RJ   SET-DOL-RJ

Area BUS

Area BUS → Up to 127 devices

Local BUS → Up to 4 devices

Local BUS → Up to 4 devices

SET-DLCM5   SET-DFPN

SET-DLCM5   SET-DFPN

Mains Input

Mains Input

Installation Diagrams

Figure 1.
Rear Mounting.

5m RJ12 Cable

RJ12 Socket
Sensor
Spring Clip
Ceiling Thickness
Max. 15mm
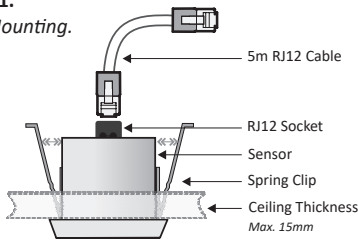
Figure 2. *Wiring*
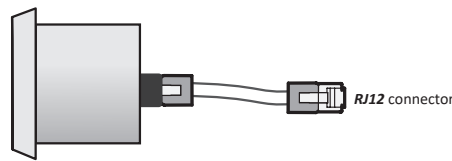
RJ12 connector

Figure 3.
PIR Detection Coverage

SET-DOL

Inner Zone
5m Ø

Outer Zone
7m Ø
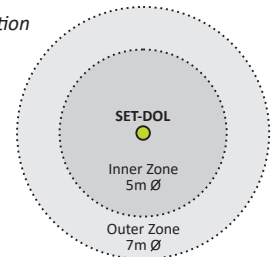
Technical Data

Inputs	
Voltage Supply	» 12v DC (Supplied by controller/LCM)
Current Consumption	» 1mA
Connection	» RJ12 connector
Lead Included	» 5 metre RJ12 to RJ12 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-RJ	» Standard - For ceiling tile mount
SET-DOL-RJ-S	» IP rated (IP64) sensor face only
SET-DOL-RJ-FF	» Front Fit - For fixed ceilings

Works With

Product Codes	Description
SET-DLCM3	» Pluggable Lighting Control Module
SET-DLCM5	» Pluggable Lighting Control Module
SET-PSB	» Surface Mount Kit
SET-FF	» Front Fit Kit

CE

mode LIGHTING