

# SET-DOL-RJ

## Multi Sensor

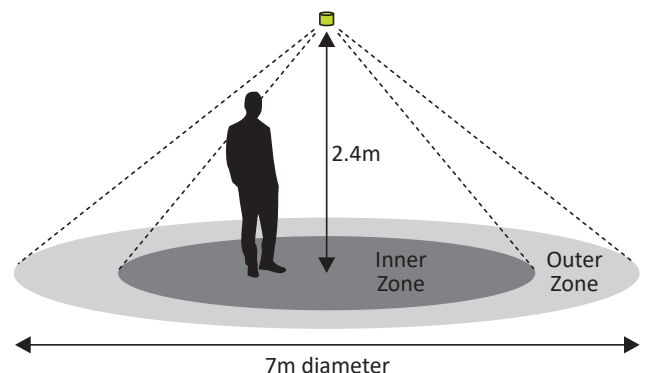
**set square**  
energy saving controls



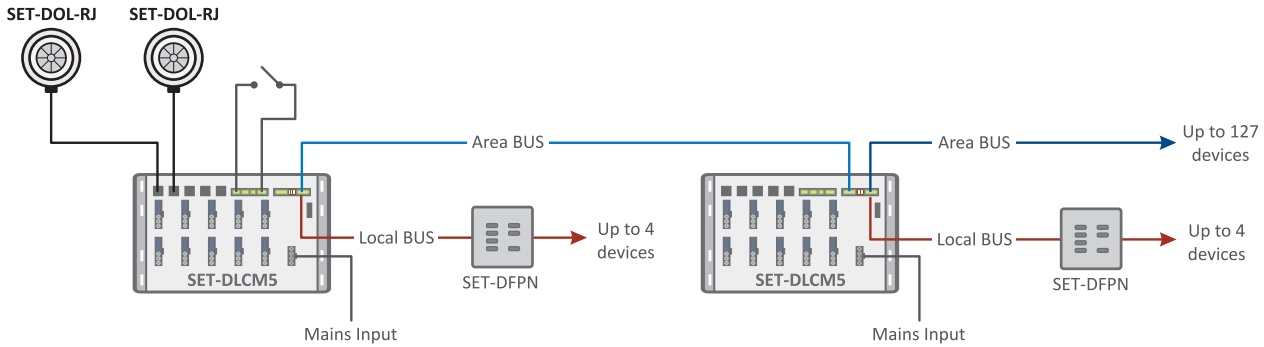
The SET-DOL-RJ is a discrete low profile, ceiling mounted Multi Sensor which combines a PIR occupancy sensor and an analogue light sensor. Specifically designed to connect into the SET-DLCM3 or SET-DLCM5 Lighting Control Modules, the sensor comes complete with a 5 metre RJ12 to RJ12 connection lead enabling 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.



### System Architecture



### Installation Diagrams

Figure 1. Rear Mounting.

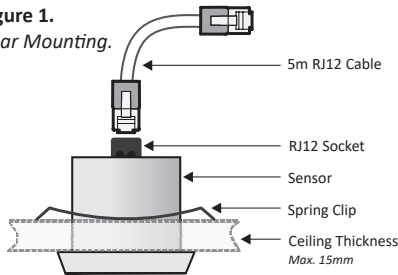


Figure 2. Wiring

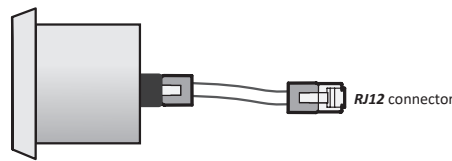
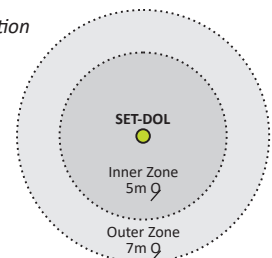


Figure 3. PIR Detection Coverage



### 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 temperature	» 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



Mode Lighting Limited. The Maltings, 63 High Street, Ware, Hertfordshire, SG12 9AD. United Kingdom.  
 Tel: +44 (0) 1920 462121 | Fax: +44 (0) 1920 466881 | Email: sales@modelighting.com | www.modelighting.com