

Occupancy Sensors **Stand-alone : Dimming**

SensorLite



set square  
energy saving controls

# Commercial Lighting Controls

## SensorLite: mains powered, stand-alone DALI dimming sensors

SensorLite is a range of self contained true multi-sensors, mains powered, occupancy and light level sensors which are designed to automatically switch lighting ON when movement from a human body is detected. It will automatically switch OFF again once movement has ceased and when a pre-set adjustable time delay has expired. Once energised the sensor will automatically regulate the output and provide a daylight linking dimming operation based on natural daylight ingress. Energy savings of up to 60% can be achieved by the Sensorlite product, when operating the lighting according to occupancy and daylight dimming.

### SET-SEN-DIM-RM

The SET-SEN-DIM-RM is a recessed mounted sensor suitable for installation into ceiling tiles or plasterboard type ceilings.

- ▶ Recessed mounted.
- ▶ DALI (Broadcast), DSI, 1-10V, Fluorescent and LED.
- ▶ 360° passive infrared sensor.
- ▶ Manual control using a standard retractable switch.
- ▶ Integral photocell and infrared receiver.
- ▶ Daylight linking dimming.
- ▶ Fully programmable.
- ▶ Internal mains relay for up to 9 x LED's / Drivers.
- ▶ Fitted with 1.5m cables.
- ▶ High bay (SET-SEN-DIM-RM-HB) version for up to 14 metres.
- ▶ Presence detection (SET-SEN-DIM-RM-P).
- ▶ Absence detection (SET-SEN-DIM-RM-A).



### SET-SEN-DIM-LM

The SET-SEN-DIM-LM is a luminaire mounted sensor for installation within a suitable luminaire housing.

- ▶ Luminaire mounted.
- ▶ DALI (Broadcast), DSI, 1-10V, Fluorescent and LED.
- ▶ 360° degree passive infrared sensor.
- ▶ Integral photocell and IR receiver.
- ▶ Daylight linking dimming.
- ▶ Fully programmable.
- ▶ Internal mains relay for up to 9 x LED's / Drivers.
- ▶ Complete with pluggable input and output terminal connections.
- ▶ Presence detection (SET-SEN-DIM-LM-P).
- ▶ High bay (SET-SEN-DIM-LM-HB) version for up to 14 metres.



### SET-SEN-DIM-BM

The SET-SEN-DIM-BM is a batten mounted sensor suitable for installation on a batten type luminaire or side entry into a standard electrical accessory box or moulding via a 20mm knockout.

- ▶ Batten mounted.
- ▶ Conduit / trunking mounting - 20mm knockout.
- ▶ DALI (Broadcast), DSI, 1-10V, Fluorescent and LED.
- ▶ 360° passive infrared sensor.
- ▶ Integral photocell and infrared receiver.
- ▶ Daylight linking dimming.
- ▶ Fully programmable.
- ▶ Internal mains relay for up to 9 x LED's / Drivers.
- ▶ Fitted with 1.5m single cables.
- ▶ High bay (SET-SEN-DIM-BM-HB) version for up to 14 metres.



## SensorLite: self contained, stand-alone, occupancy controls

### SET-SEN-DIM-SM

The SET-SEN-DIM-SM is a surface mounted sensor for installation on solid ceilings and structures using a standard electrical socket patress.

- ▶ Surface mounted.
- ▶ DALI (Broadcast), DSI, 1-10V, Fluorescent and LED.
- ▶ 360° passive infrared sensor.
- ▶ Manual control using a standard retractable switch.
- ▶ Integral photocell and infrared receiver.
- ▶ Daylight linking dimming.
- ▶ Fully programmable.
- ▶ Internal mains relay for up to 9 x LED's / Drivers.
- ▶ Input and output terminal connections.
- ▶ High bay (SET-SEN-DIM-SM-HB) version for up to 14 metres.
- ▶ Presence detection (SET-SEN-DIM-SM).
- ▶ Absence detection (SET-SEN-DIM-SM).



### SET-SEN-PROG-01

The SET-SEN-PROG-01 is a hand held infrared programming and commissioning tool for the SensorLite range of lighting controls. Battery powered for ease of use with auto shut off. A menu driven programming system provides a simple and intuitive process.

- ▶ Easy to programme.
- ▶ LCD display.
- ▶ Save and recall up to three user programs.
- ▶ One touch commissioning.
- ▶ 14 metre range.
- ▶ Lamp burn in facility.



### SET-SEN-PROG-02

The SET-SEN-PROG-02 is a hand held infrared user operated controller designed for the end user.

- ▶ Pocket sized.
- ▶ Test function.
- ▶ Manual dimming control.
- ▶ Simple to use.
- ▶ User friendly.



### NOTES:

**Presence Mode:** A fully automatic detection operation that switches the lights on as movement is detected and then switches off after movement has ceased and a time out period expires.

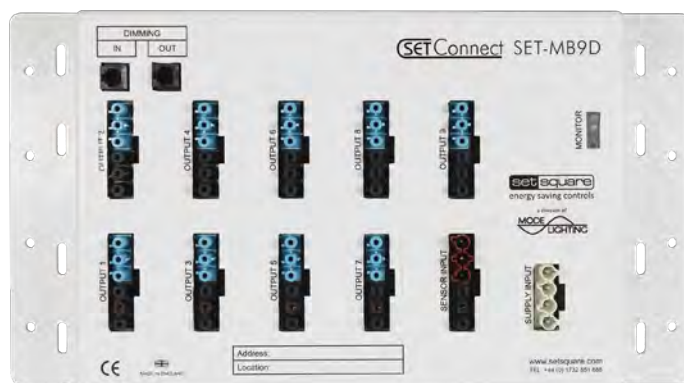
**Absence Mode:** A semi automatic detection operation that requires the lights to be energised in the first instance by a standard push to make non-latching type switch and then switches off after movement ceases and a time out period expires.

# Energy Saving and Commercial Lighting Controls

## SET-MB9D

The SET-MB9D is a nine way Marshalling Box which distributes mains power, emergency feed and a dimming signal for up to nine light fittings. The box is designed to be used in conjunction with the SET-SEN-DIM range of mains powered presence and light level sensors. The built in sensor port neatly powers the remote sensor and also receives the dimming signal back to distribute it around the light fittings. The SET-MB9D can also distribute DALI signals from other Mode Lighting systems such as eDIN, utilising the RJ12 sockets, loop in and out.

- ▶ Hardwired distribution box.
- ▶ 9 x GST18i6 socket outlets.
- ▶ Dimming signal loop IN and OUT.
- ▶ Dimming sensor input for connection of a mains powered sensor.
- ▶ LED status feedback on power and sensor condition.



For full technical information and product literature contact [sales@modelighting.com](mailto:sales@modelighting.com) or 01920 462121

Setsquare's range of energy saving and commercial lighting control products and services includes:

LITE **minder**



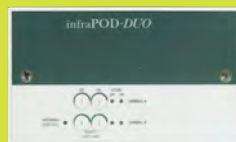
Stand-alone Switching

Sensor **Lite**



Stand-alone Dimming

infra **pod**



Networked Switching

day **lux**  
DLCS



Networked Dimming

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