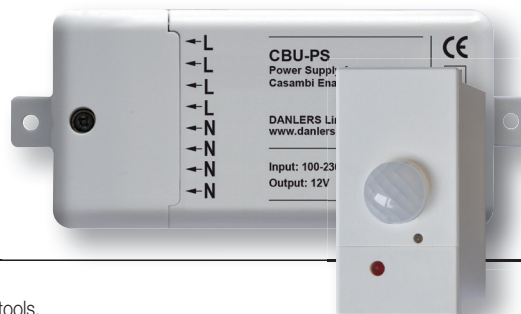


MESH-MOD3M

Passive Infra Red (PIR) Occupancy Detector & Photocell Module

Input: 100-240 Vac 50/60Hz



PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLING THE PRODUCT

NOTE: MESH-MOD3M is compatible with any qualified Bluetooth mesh components and commissioning tools. We recommend Silvrair Commissioning as a reliable solution.

This MESH-MOD3M module is designed for building into luminaires or it can be mounted onto a Eurodata plate. Configurable for any room occupancy style, via the Silvrair Platform (App and Web).

INSTALLATION

To be installed by a competent person with reference to BS 7671 or equivalent local standards. If in doubt consult a qualified electrician.

- A mounting bezel is supplied to assist manufacturers to mount the MESH-MOD3M control unit into a luminaire housing.
- The MESH-MOD3M control unit snap fits into the mounting bezel.
- The Power Supply (MESH-PS) for the MESH-MOD3M device should be connected as shown in diagram 2:
 - L - Live in. N - Neutral in.
- CBI-MOD3M must be connected to the Power Supply (MESH-PS) via the DANLERS telejack communication cable provided.

NOTE: The use of non DANLERS connectors may damage the MESH-MOD3M or MESH-PS and will invalidate the warranty.

OPERATION

To check the operation of the MESH-MOD3M:

- Turn on the supply then after 20 seconds if the sensor has recognised movement of a person within its zone of detection the integral red LED on MESH-MOD3M will stay illuminated for 4 seconds before the red LED turns off.
- Thereafter, every time movement is detected by MESH-MOD3M the integral red LED will stay illuminated for 4 seconds.

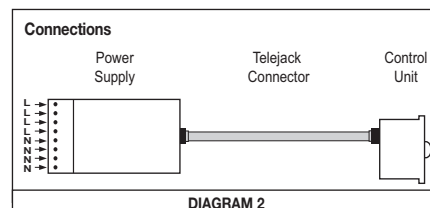
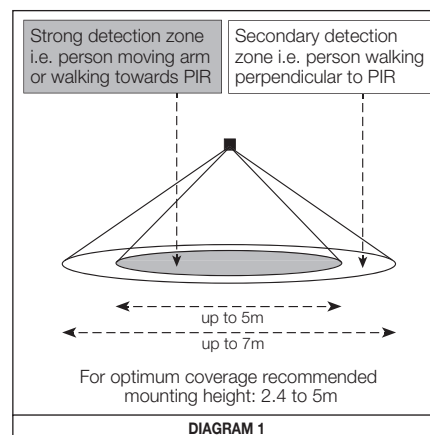
The control also features adjustable time out (time lag) control and daylight threshold control which are configured by the Silvrair APP.

PRECAUTIONS

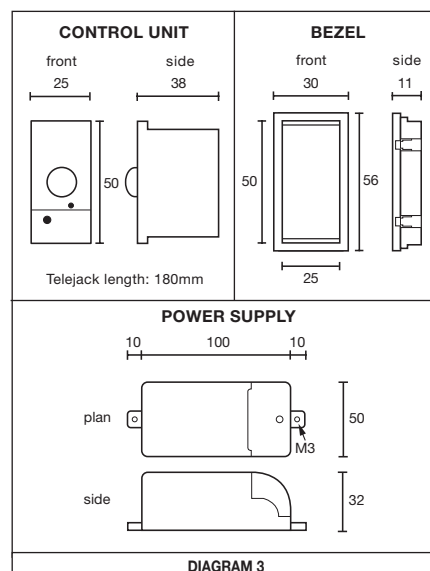
- Do not place the MESH-MOD3M near heat sources, fans or in ventilated ceiling voids.
- Do not place close to, or positioned such that, any light source points directly into the MESH-MOD3M.
- Ensure wires and cables are securely held within the connection terminals.
- The MESH-MOD3M should be protected by a 5 or 6 Ampere mcb or fuse.
- Disconnect the MESH-MOD3M from the circuit before performing insulation testing of the wiring circuit.**

TECHNICAL DETAILS

| INPUT | |
|---|---|
| Voltage: | 100 - 240Vac |
| Frequency: | 50/60Hz |
| Max. mains current: | 20mA |
| Standby current: | 14mA |
| RADIO TRANSCEIVER | |
| Operating frequencies: | 2.4... 2,483 GHz |
| Max. output power: | +4 dBm |
| LUX PARAMETERS | |
| Range: | 5 - 2000 lux |
| OPERATING CONDITIONS | |
| Note: The temperature difference between the detection target and the background must be at least 4 °C. | |
| Ambient temperature: | -20... +40 °C (Iout 20mA) |
| Storage temperature: | -25... +75 °C |
| Max. relative humidity: | 0... 80%, non cond. |
| POWER SUPPLY CONNECTORS | |
| Terminal block Wire size: | 0,5mm ² - 2,5mm ² solid or stranded |
| Wire strip length: | 6-7mm |
| Tightening torque: | 0,4 Nm/4 Kgf.cm |
| MECHANICAL DATA | |
| Dimensions: | Control: 25 x 50 x 38mm Bezel: 30 x 56 x 11mm Power Supply: 50 x 120 x 132mm Telejack: 180mm |
| Weight: | 105g (unpacked) |
| Degree of protection: | IP20 |
| Protection class: | Built-in Class 2 |
| Material (casing) | Flame-retardant polycarbonate |
| Finish / Colour | Matt /White (RAL 9003) |
| Protection class: | Built-in Class 2 |
| CONFORMITY AND STANDARDS | |
| EMC emission: EN 301 489-1 V2.2.0, EN 301 489-17 V3.1.1, EN 55032: 2015, EN61000-3-2: 2014, EN61000-3-3: 2013 | |
| EMC immunity: EN 301 489-1 V2.2.0, EN 301 489-17 V3.1.1 | |
| Environment: Complies with WEEE and RoHS directives | |
| CB scheme: IEC60669-1:1998, IEC60669-1:1998/AMD1:1999, IEC60669-1:1998/AMD2:2006, IEC60669-2:2002, IEC60669-2-1:2002/AMD1:2008, | |



DIMENSIONS



5 YEAR WARRANTY

MESH-MOD3M comes with a 5 year warranty from the date of manufacture and is CE marked.



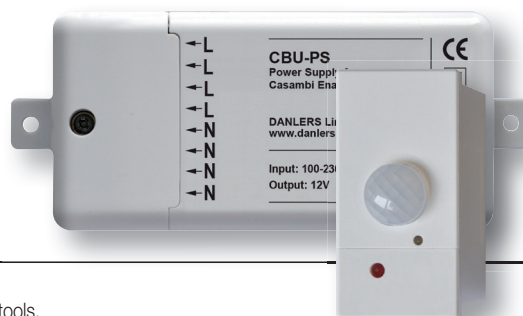
DANLERS Limited, Vincients Road, CHIPPENHAM, Wiltshire, SN14 6NQ, UK.
Telephone: +44 (0)1249 443377 Fax: +44 (0)1249 443388 E-mail: sales@danlers.co.uk
www.danlers.co.uk

Company Registered Number 2570169 VAT Registration Number 543 5491 38

MESH-MOD3M

Passive Infra Red (PIR) Occupancy Detector & Photocell Module

Input: 100-240 Vac 50/60Hz



PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLING THE PRODUCT

NOTE: MESH-MOD3M is compatible with any qualified Bluetooth mesh components and commissioning tools. We recommend Silvoir Commissioning as a reliable solution.

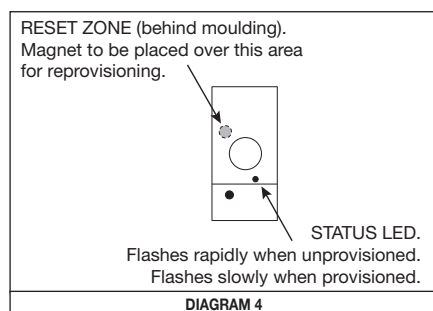
HALL EFFECT / FACTORY RESET:

This function allows a reset to be carried out in order to restore the default factory settings.

A factory reset will change the state of MESH-MOD3M from 'provisioned' to 'unprovisioned', i.e. all network settings will be lost. This functionality is required to allow reprovisioning MESH-MOD3M where control over the device is not functioning correctly.

TO REPROVISION:

Place a small magnet on the site of the Reset / Hall effect sensor (see diagram 4 below). To trigger the reset the magnet must be held in position for 5 seconds.



STATUS LED BLINKING SEQUENCE:

| | | |
|--------------------------------|----------|------------|
| MESH-MOD3M | | |
| Unprovisioned: | 30ms ON | 300ms OFF |
| MESH-MOD3M | | |
| Provisioned: | 15ms ON | 2000ms OFF |
| Factory Reset: | 500ms ON | 1000ms OFF |
| Factory Reset (initial burst): | 100ms ON | 1000ms OFF |
| MESH package received: | 30ms ON | 50ms OFF |
| Attention (from network): | 500ms ON | 500ms OFF |