

Product Guide



## PPAD-C-MB-EXT-DALI-ADDR

## Miniature Integration IP Presence Detector iLight DALI Network - SCMD2/4

### Overview



The PPAD-C-MB -EXT-DALI-ADDR is a combined passive infrared (PIR) motion sensor and photocell designed to be part of a iLight DALI Network - SCMD2/4.

Functioning as a presence detector, the unit returns occupancy data to the network.

The photocell provides a lux level measurement value to the network.

## Features

#### PIR Sensor

Detects movement within the unit's detection range, allowing load control in response to changes in occupancy.

#### **IR Receiver**

Receives control and programming commands from an IR (infrared) handset.

#### **Light Level Sensor**

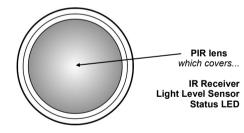
Measures the overall light level in the detection area

#### Status LEDs

The LED flashes Red to indicate the following:

Walk Test LED active	- when movement is detected
Valid setting received	₩.

#### Sensor head



## Detection diagram

#### Range

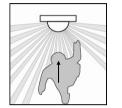
# Area of high sensitivity

#### Walk across

S

Height	Range Diameter
7m	16m
2.8m	9m

#### Walk towards



Height	Range Diameter
7m	10m
2.8m	5m

Note: illustration shows an average of the walk across

## Installation PPAD-C-MB-EXT-DALI-ADDR

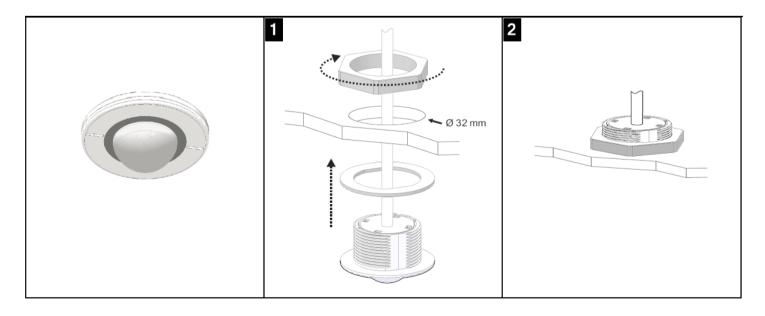
#### **Choosing a Suitable Location**

The detector should be sited so that the occupants of the room fall inside the detection pattern shown previously, at a recommended ceiling height of 2.8m. Note that the lower the sensor is installed the smaller the detection range will be, subject to the parameters shown on the detection diagram.

- Avoid direct sunlight entering the sensor.
- Do not site within 1m of forced air heating or ventilation.
- Do not fix to a vibrating surface.
- Do not exceed maximum length of cable (300m) on 1.5mm<sup>2</sup> data bus.
- Do not exceed maximum bus loading (250mA).
- Do not exceed maximum of 8 sensors per DALI bus.

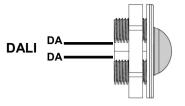
## Mounting

This product can be mounted using the provided thread and gasket as shown. A 32mm diameter hole cut-out will be required.

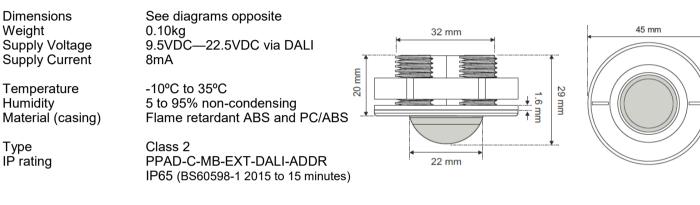


## Wiring

The PPAD-C-MB-EXT-DALI-ADDR IS supplied with 1m, 2 core 1.5mm<sup>2</sup> double insulated cable to connect to the iLight DALI Network - SCMD2/4. The device is designed to operate correctly polarity-free.



## **Technical data**



Compliance

## EMC-2014/30/EU LVD-2014/35/EU

## Part numbers

Detector

Part numberDescriptionPPAD-C-MB-EXT-DALI-ADDRMiniature IP integration presence detector

#### **IMPORTANT NOTICE!**

This device should be installed by a qualified electrician in accordance with the latest edition of the IEE Wiring Regulations and any



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