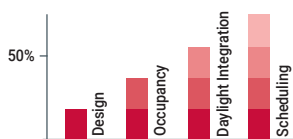# PPAD-C-12-24V

Ceiling mounted PIR presence/absence detector

Key Features

- For connection to iCAN networks via UIM, UIG-2, UIS or DALI-I-U devices.

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

- Absence and overide to on/off via switch input.

- Light Level Sensor: An integral adjustable photocell allows the lights to be kept off if there is sufficient ambient light.

- Switch input connector: Two input terminals can be used to manually override the lights on or off.

- Status LEDs.

Achievable Energy Savings

Code Compliance

- Improves BREEAM & LEED scoring for building sustainability.

- Contributes to energy reduction targets under Climate Change Levy (CCL) and Carbon Reduction Commitment (CRC).

- Qualifies for Enhanced Capital Allowance (ECA) applications.

- Delivers lighting control requirements under UK Building Regs - L2a & L2b and BRE: 498.

Overview

The PPAD-C-12-24V is a low voltage presence/absence detector which provides automatic control of lighting, heating and ventillation loads when connected to the iCAN network*
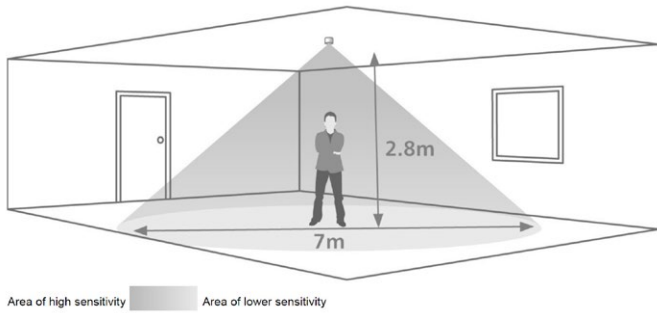
The PPAD-C-12-24V detects movement using a PIR (Passive Infra-Red) detector.

This unit can operate both in presence and absence mode as well as in response to a user defined daylight threshold level.

System timeout periods are adjusted in iCANsoft.

The PPAD-C-12-24V may be powered from the iCAN network supply.

Detection

2.8m

7m

Area of high sensitivity   Area of lower sensitivity

Retaining Spring

Switch Input Connector

Power Input & Output Connector

Sensor Lens
which covers...

PIR Sensor
IR Receiver
Light Level Sensor
Status LEDs

Retaining Spring

Ideal for smaller offices, toilets and circulation areas.

Maximum recommended mounting height: 3m

Technical Specifications

Weight: 0.10kg

Supply Voltage: 12-24V via iCANnet network using UIS, UIG-2, UIM and DALI-I-U devices

Switched Output: Open collector transistor

Supply Current: 50mA (Additional power supply may be required depending on total network load)

Power consumption: On 640mW, Off 271mW

Terminal Capacity: 2.5mm2

Temperature -10ºC to 35ºC

Humidity: 5 to 95% non-condensing

Material (casing): Flame retardant ABS and PC/ABS

Type: Class 2

IP Rating: IP40

Accessories

SB-C: Surface Mounting Box

SB-C-EX: Surface Mounting Box Extender

Remote Control Programmers (ordered separately)
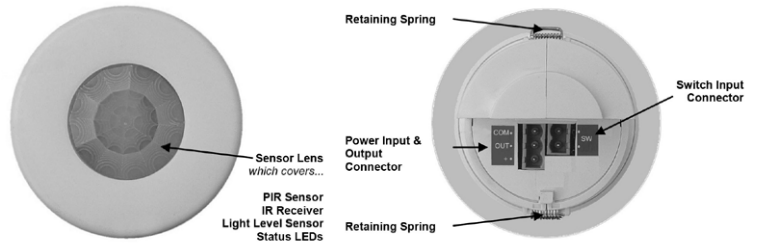
HHIR-PROG: Hand held IR programmer control.

HHIR-LCD-PROG: Advanced hand held IR programmer with LCD display.

Commissioning

PIR on/off time and threshold light level can be set via the hand held IR remote for commissioning.

*This sensor is intended for use with UIS, UIG-2, UIM and DALI-I-U devices on iCAN networks. Additional network commissioning will be required.

Sensor functionality

Detection Mode

The Detection Mode can be set to behave in Presence or Absence mode:

- Presence: When movement is detected the sensor will automatically activate. When the area is no longer occupied the sensor will automatically de-activate after an adjustable time period.

- Absence: The sensor is manually activated. When the area is no longer occupied the sensor will automatically deactivate after the adjustable time period has elapsed.
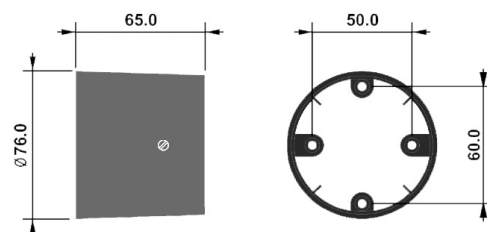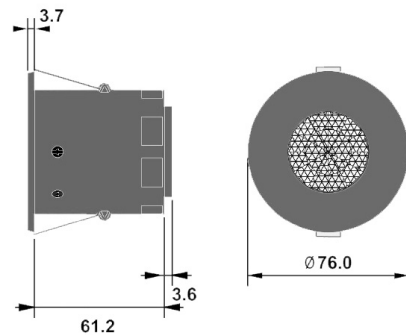
In either case, sensitivity to movement of the PIR sensor can be adjusted using the Sensitivity parameter.

HINT: To assist in setting the Sensitivity, turn on the Walk Test LED which will flash red when movement is detected.

Switch Level On/Off

- Occupancy detection can be made dependent on the ambient light level using the Lux On Level and Lux Off Level parameters.

Dimensions

3.7

Ø 76.0

3.6

61.2

65.0

50.0

Ø76.0

60.0

UK CA

CE

bsi ISO 9001 Quality Management Systems CERTIFIED

FM 727924