PI1C

Internal Ceiling Recess Mounted Motion Detector

Key Features

- Ceiling mounted Passive Infra-Red detector
- Compact 47mm Diameter size for recess installation in Chilled Beam and In fill Plate application
- Used within an iLight lighting control system
- Action used to trigger events and scenes within iCANsoft
- Small compact design
- CE compliant to all relevant standards
- Designed and manufactured to ISO9001:2008 standards

Overview

This unit is an internal ceiling mounted Passive Infra-Red detector used to detect movement of people in an area. It is designed to be recessed into a ceiling tile and can be installed individually in a small room or in groups to cover a larger area.

The unit allows iLight system functions to be triggered automatically when a person enters an area. It works by detecting the infrared radiation given off by the human body and gives a signal to an iLight interface unit (UIG or UIM)

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Suitable For

Cellular office
Open plan office
Meeting room
Factory production area
Small workshop
Plant room
Storeroom
Hospital ward (multi-person)
Hospital ward (single person)
Consulting room
Storeroom
School classroom
Lecture theatre
Public library
Library (bookstack)
Corridor
Atrium
Staircase
Foyer
Hotel lounge
Shop
Restaurant

Technical Information

Mechanical

Climate Range (IP20)

Temperature: +2°C to +40°C

Humidity: +5 to 95% non condensing

Mounting

38mm diameter hole through the ceiling tile and then retained using the metal clip supplied. It can also be fitted by using a surface adaptor box which is available from iLight.

This unit is hard wired and supplied with a 1m trailing cable

Recommended maximum cable length between UIM and sensor: 10m (screened)

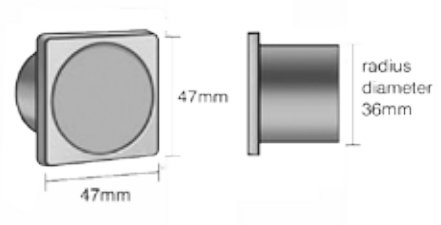
Location

The sensor should be mounted on a rigid surface where it has a clear view of the occupancy zone, and should preferably be mounted in front of rather than behind activity.

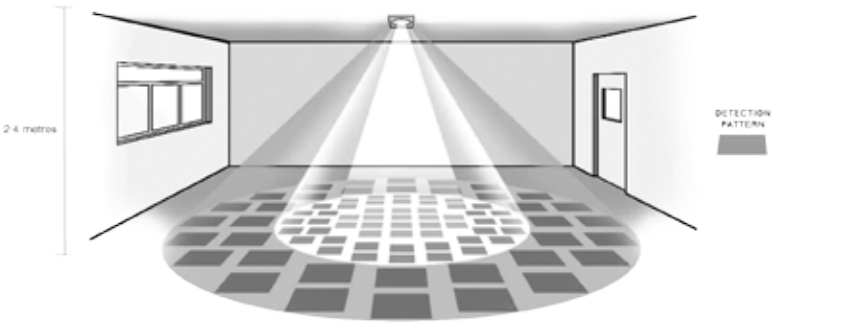
Avoid placing adjacent to forced air heating or cooling systems (1 metre or more indirect flows) as well as high powered RF equipment including pager aerials and inductive loop equipment.

Detectors should be placed at 5 metre intervals to ensure detection patterns overlap.

Dimensions



Detection Pattern



High resolution in the central area (Ø2·4m) providing high sensitivity. Hand/computer mouse-movement will trigger the system.

Good sensitivity in the intermediate area (Ø3·6m – 5m). Larger movement such as chair movement.

Sufficient range in the outer area (Ø7m) for people entering the room.

Contact your local Eaton office

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