



Dual Technology Occupancy Sensor

Ceiling mounted high definition 360 degree PIR sensor



www.dignet.net.au



Range

CM-PDT-9

Overview

The Dual Technology Occupancy Sensor with Passive Dual Technology (PDT) first 'sees' motion using Passive Infrared (PIR) detection and then engages Microphonics™ to hear sounds that indicate continued occupancy.

This patented technology uses Automatic Gain Control (AGC) to dynamically self-adapt a sensor to its environment by filtering out constant background noise and registering only noises typical of human activity.

This 360° Occupancy Sensor provides line-of-sight PIR detection of small motion in a circular pattern, and combines overlapping Microphonics™ coverage for detection of occupants working in cubical spaces. Bathrooms, large storage areas with shelving, and libraries with study carrels are also easily and cost-effectively controlled by the CM-PDT-9.

Features

Patented Dual Technology with PIR/ Microphonics detection

No field calibration or sensitivity adjustments required

Connects directly to a RAPIX eHub

360° Coverage Pattern

Powered via a RAPIX eHub

Typical

Cellular offices
Open plan offices

Meeting rooms
Corridors

Classrooms
Toilets

Applications

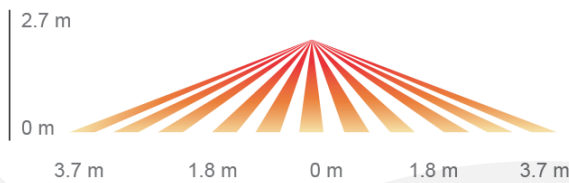


Dual Technology Occupancy Sensor

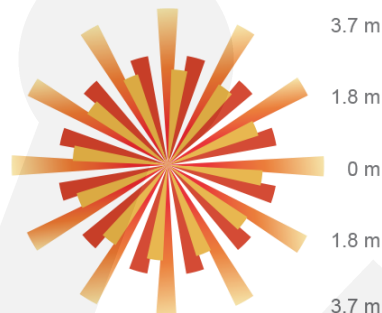
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Sensor Detection Range





SIDE VIEW



TOP VIEW



Specifications

| Parameter | Specification |
|---|---|
| Operating Voltage | 12 – 24V dc/ac |
| Current Draw | 4mA |
| Sensor Technology Type | Dual technology, PIR and Microphonics |
| Initial 'switch lights ON' sensing technology | PIR |
| 'Keep lights ON' sensing Technology | Either Microphonics or PIR |
| 'Turn lights OFF' sensing technology | Both Microphonics and PIR |
| Field of view | 360 degrees |
| Detection Range @ 2.7m mounting Height | 3.7m radial coverage |
| Occupancy Delay Time | 30s to 20m |
| Calibration | No field calibration or sensitivity adjustments required. The sensor uses automatic gain control (AGC) is dynamically self-adapt to its environment by filtering out constant background noise |
| Mounting arrangement | Ceiling mounted |
| Dimensions | 116mm diameter, 40mm deep |
| Colour | White |
| Weight | 170g |
| IP Rating | IP20 |
| Approvals |     |

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