



PIR & Illumination sensor



Wireless Illumination and Motion Sensor
Ceiling mounted dual sensor

Product Overview

Features

The iMune® PIR and Motion Sensor enables a new level of energy saving control for rooms, corridors and other common areas. The sensor reports motion detection and illumination measurements wirelessly using the EnOcean radio standard and therefore does not require any wiring. The sensor is also self-powered by harvesting energy from indoor light, eliminating the need for periodic battery changes.

Key applications include lighting control based on presence and ambient light level as well as occupancy monitoring.

The iMune® PIR and Motion Sensor reports regularly the measured light level and the status of the motion detection sensor. The motion sensor is permanently active so that initial motion will be reported immediately.

Specifications

Input

Indoor light energy harvesting
Supplemental battery (CR2032).
Sustaining charge time: 200 lux for 6 hours per day
RF Frequency: EnOcean 868.3 MHz
PIR range : typ. 5 m (16.5 ft.) when installed 2.5 m (8.5 ft.) high
Light Level Sensor Range / Accuracy: 0 ... 65000 Lux / +/- 10%

Operational Lifetime

Infrequent bright light (200 lux 2 hrs / day) - 15 years
Consistent low light (65 lux 5 hrs / day) -12.5 years

Mechanical

ABS or PC, White colour
Dimensions: 114 x 66 x 31mm
Mounting height: Ceiling at 2.5 m (8.5 ft) - 3 m (10 ft) height

Environmental

0 °C (32 F) ... 60 °C (140 F) Indoor use only
20 % R.H. ... 85 % R.H. Non-condensing

Part Number

IMENO-PIR-MOT

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Version:
1.0