

# Wireless PIR

## Product Overview

### Features

Saving energy without sacrificing comfort can be effortless with iMune® occupancy based controls. The iMune® Ceiling Mounted Wireless PIR Sensor enables a new level of energy saving control for rooms, corridors and other common areas. The PIR sensor uses radio frequency technology to communicate wirelessly with the iMune® control system to set back temperatures, turn off lights or electrical loads when a space is unoccupied. Being wireless there is no need to run wiring and installation can be completed in a matter of minutes. The sensor is self-powered by harvesting energy from indoor light, eliminating the need for periodic battery changes.

- Interoperable. Communicates wirelessly with other devices using the EnOcean wireless standard.
- Self-powered. Two integrated solar cells enable indoor light energy harvesting to power the device and eliminate the need for wires or batteries.
- PIR motion sensor with 360 degree viewing angle lens for maximum efficiency in different room settings.
- Two molded buttons with LED indicator lights can be used to link and configure the device.
- Internal tray accommodates supplemental coin cell battery for use in low light environments.



## Specifications

### Input

Indoor light energy harvesting  
 Supplemental battery (CR2032) or 2-wire connector for external power or remote solar cell (3 - 5 VDC)  
 Charge time to full: 25 hrs @ 200 lux  
 Sustaining charge time: 3 hours per 24 hours @ 200 lux  
 RF Frequency: EnOcean 928 MHz, 902 MHz, 868 MHz  
 PIR range : 34ft. (10m) diameter (refer to coverage diagrams)

### Operational Lifetime

Infrequent Bright Light: 20 yrs (with 200 lux for 2 hrs/day, 7 days/week)  
 Consistent Low Light: 15 yrs (with 65 lux for 5 hrs/day, 7 days/week)

### Mechanical

ABS or PC, White  
 Dimensions: 160 x 60 x 37mm  
 Mounting height: 7 - 10 feet (2 - 3m) recommended

### Environmental

14° to 104°F (-10° to 40°C), 20% to 95% relative humidity (non-condensing)

## Part Number

**IMENO-CPIR-10M**

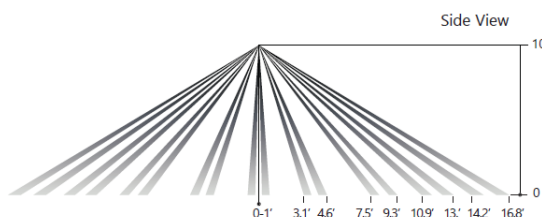


Fig. 1: Side view of sensor coverage based on 10ft. mounting height

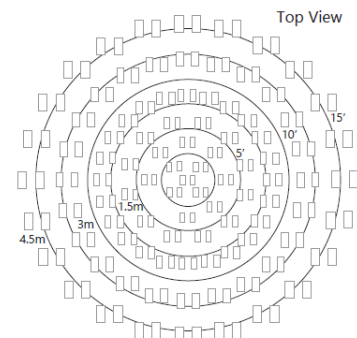


Fig. 2: Top view of sensor coverage based on 10ft. mounting height

**Wireless PIR Sensor**  
Ceiling mounted occupancy sensor