

Description

Saving energy without sacrificing comfort can be effortless with occupancy based controls. The Ceiling Mounted Occupancy Sensor enables a new level of energy saving control for rooms, hallways and other common areas.

The occupancy sensor uses radio frequency technology to communicate wirelessly with other *EnergyCenter* and EnOcean-enabled devices to set back temperature and turn off lights and electrical loads when a space has been unoccupied for a set period of time.

Because the sensors are wireless there is no need to run additional 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. The clean, contemporary styling makes it an attractive addition to any décor.

Applications

EnOcean Occupancy Sensors are suitable for renovation, upgrade, and new construction projects.

- Private & Open Offices
- Corridors & Hallways
- Classrooms & Gymnasiums
- Warehouse Spaces & Manufacturing Areas
- Patient Care Rooms
- Transportation Terminals
- Retail & Grocery Stores



Features

- Communicates wirelessly with other *EnergyCenter* and EnOcean devices
- 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° 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 coin cell battery as backup for low light environments
- Perfect energy saving solution for any space where traffic patterns or occupancy determine the need to power the space—ideal for guest rooms, living spaces, common areas or hallways
- Energy harvesting wireless solution provides limitless supplies of energy and unrivaled flexibility

Specifications

POWER SUPPLY

- Indoor light energy harvesting (Optional supplemental battery or 2-wire connector for external power or remote solar cell)

RADIO NETWORK (EnOcean)

- 902 MHz RF transceiver

RANGES

- Transmission Range: 80ft. (25m)
- Motion Detection Range: 34ft. (10m) diameter (refer to coverage diagrams)

MINIMUM OPERATING LIGHT

- 50 lux (for auto-off only)

STARTUP CHARGE TIMES (FROM EMPTY)

- Linking = 4 min @ 100 lux, 1.5 min @ 200 lux
- Motion Transmission = 6 min @ 100 lux, 3.5 min @ 200 lux
- Light/Walk Test Modes = 5.5 hrs @ 200 lux

Note: Bright light or battery can be temporarily used to shorten initial startup charge times

CHARGE TIMES

- Charge Time to Full: 9 hrs @ 200 lux
- Sustaining Charge Time: 3 hrs per 24 hrs @ 200 lux

MOTION TRANSMISSION INTERVAL

- 60 - 300 seconds (based on real-time charge rate)
- 60 sec @ 200 lux - 300 sec @ 50 lux

HEARTBEAT TRANSMISSION INTERVAL

- 120 - 600 seconds (based on real-time charge rate)
- 120 sec @ 200 lux - 600 sec @ 50 lux

OPERATING LIFE IN DARKNESS

- 48 hours (after full charge)

DIMENSIONS

- HxWxD: 6.5 x 2.36 x 1.47in (160 x 60 x 37mm)

AGENCY COMPLIANCE

- FCC, see product for agency markings

OTHER INFORMATION

- Mounting Height: 7 - 10 feet (recommended)
- Warranty: 1 year

Indoor use only



Ordering Information

SKU	Description
A05-22-0163-01	Occupancy Sensor, Ceiling Mounted, Wireless, 902MHz, White
EnOcean Wireless Accessories <i>Additional information and accessories are available.</i>	
A05-22-0164-01	Occupancy Sensor, Wall Mounted, Wireless, 902MHz, White
A05-22-0161-01	Door/Window Sensor, Self-powered wireless contact, 902MHz, White

Sensor Range & Coverage

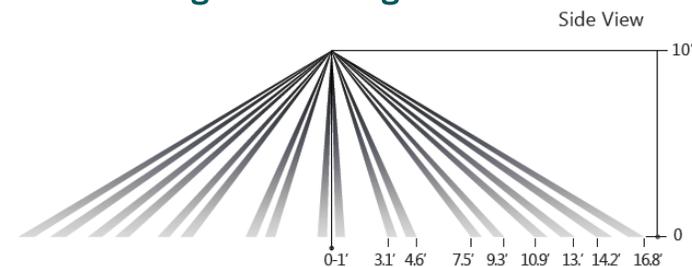


Fig. 1: Side view of sensor coverage based on 10ft. mounting height

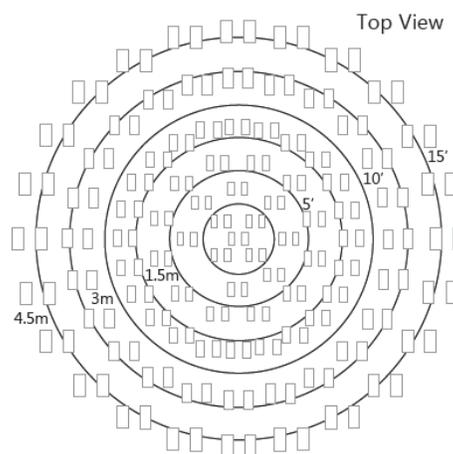


Fig. 2: Top view of sensor coverage based on 10ft. mounting height