



Ceiling Mounted Occupancy Sensor

E9T-OSC

ILLUMRA Ceiling Mounted Occupancy Sensors enable a new level of energy saving control. The Occupancy Sensor uses radio frequency technology to communicate wirelessly with other devices to adjust temperature and turn on 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 decor.

ILLUMRA's self-powered wireless Occupancy Sensors are the perfect energy saving solution for any space where traffic patterns or occupancy determine the need to power the space.

Features:

- Mounts wirelessly onto virtually any surface.
- Harvests ambient light to power the sensor. Supplemental battery or alternative power supply options for extreme low-light conditions.
- Fast, simple programming and built-in tests to confirm operation at installed location.
- Passive Infrared (PIR) motion sensor senses motion over 360 degree coverage area

Applications:

- Conference rooms
- Houses of worship
- Classrooms
- Offices

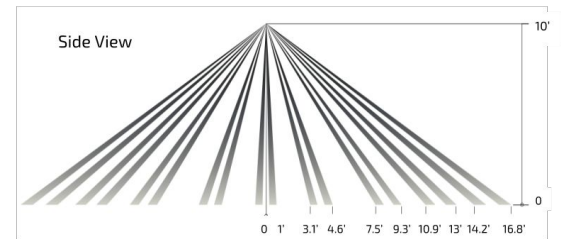
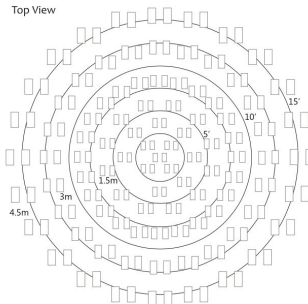
115 S State St, Suite B
Lindon, UT 84042

T: (801) 349-1200
F: (801) 614-7100
Sales@ILLUMRA.com

- **Self-powered.** Integrated solar cell harvests indoor light to power the sensor and eliminates the needs for wires or batteries. Optional battery tray for dark area use.
- **Easy installation.** Wireless and discreet design allow for versatile placement of the sensor.



Sensor Range and Coverage Diagrams



SPECIFICATIONS

Power Supply	Indoor light energy harvesting; Optional Supplemental battery (CR2032) or 2-wire connector for external power or remote solar cell (3-5VDC)
RF Communications	902 MHz EnOcean® Protocol RF Transmitter
Transmission Range	80 ft. (25m)
Motion Detection Range	34 ft. (10m) diameter @ 10ft (3m) mounting height (refer to diagrams)
Startup Charge Times (from empty)	First Motion Transmission/Linking: 5 min @ 200 lux Motion LED Blink Light/Walk Test: 1.5 hours @ 2000 lux
Charge Time to Full	25 hrs @ 200 lux
Sustaining Charge Time	3 hours per 24 hours @ 200 lux
Motion Transmission Interval	2 minutes
Unoccupied Transmission	10 and 30 minutes since last motion detection
Heartbeat Transmission	Default = disabled; Enabled = 1 hr intervals
Operating Life in Darkness	80 hours (after full charge)
Optional Battery Life	Continuous battery-free operation standard 20 yrs (with 200 lux for 2 hrs/day, 7 days/week) 15 years (with 65 lux for 5 hrs/day, 7 days/week) 6.5 yrs Infrequent Bright Light Consistent Low Light Total Darkness
EEP (EnOcean Equipment Profile)	A5-07-01
Dimensions	6.5"H x 2.3"W x 1.47"D (160mm x 60mm x 37mm)
Mounting Height	7-10 ft. (2-3m) recommended
Agency Compliance	FCC: SZV-STM300U

This device or certain aspects thereof is protected by at least one U.S. or International patent or has at least one such patent application pending.

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