



# 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

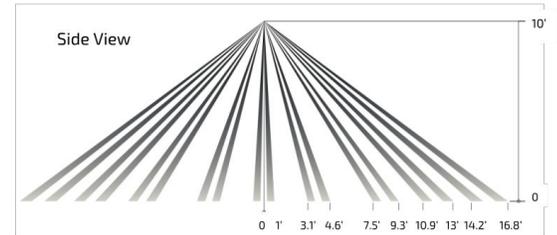
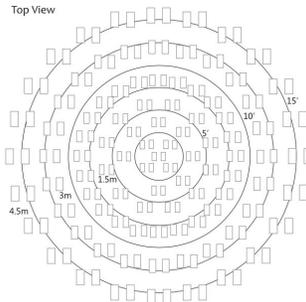
115 S State St, Suite B  
Lindon, UT 84042

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

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

ILLUMRA is a trademark of Ad Hoc Electronics, LLC. Other trademarks herein are the property of their respective owners.

AHD0542C