

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 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 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.

Easy-To-Use

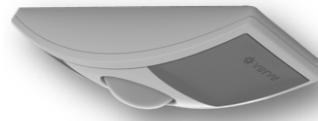
- Mounts wirelessly onto virtually any surface
- Fast, simple programming
 - Button without the line sends the link signal
 - Button with the line sends the occupancy signal
- ON/OFF control of lights and devices

Save Energy, Time, and Money

Avoid costly and time-consuming installation of hardwire switches, and conserve energy and save money by choosing ILLUMRA switches, sensors and receivers.

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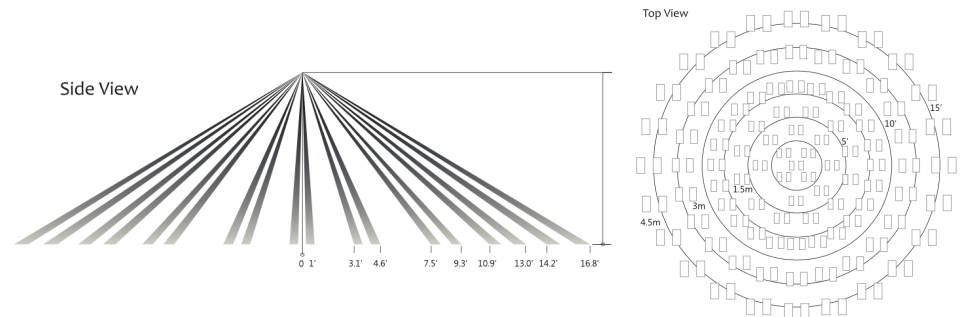


Occupancy Sensor (Ceiling Mounted)

- Passive Infrared motion sensor senses motion over 360 degree coverage area
- Self-powered with integrated solar cells that harvest indoor light energy—Needs no wires or batteries
- Operates for 80 hours in darkness with a full charge
- Wireless communication with EnOcean compatible devices

E9T-OSC-W	
Power Supply Optional	Indoor light energy harvesting Supplemental battery (CR2032) or 2-wire connector for external power or remote solar cell (3-5VDC)
Frequency	902 MHz EnOcean RF Transmitter
Transmission Range	80 ft. (25m)
Motion Detection Range	34 ft. (10m) diameter (refer to coverage diagrams)
Minimum Operating Light	50 lux (for auto-off only)
Startup Charge Times* (from empty)	First motion Transmission/Linking= 5 min @ 200 lux Motion LED blink Light/Walk Test Modes = 1.5 hrs @ 2000 lux
Note: Bright light or a battery can be temporarily used to significantly shorten startup charge times	
Charge Time to Full	25 hrs @ 200 lux
Sustaining Charge Time	3 hours per 24 hours @ 200 lux
Motion Transmission Interval	2 min
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
Frequent 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 day/week)
Total Darkness	6.5 yrs
EnOcean Equipment Profile (EEP)	A5-07-01
Dimensions	6.5"H x 2.36"W x 1.47"D (160mm x 60mm x 37mm)
Mounting Height	7-10 ft (2-3m) recommended
Agency Compliance	FCC: SZV-STM300U

Sensor Range and Coverage Diagrams



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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