



# Wall Occupancy Sensor

## E9T-OSW-W

ILLUMRA Wall 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's 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.



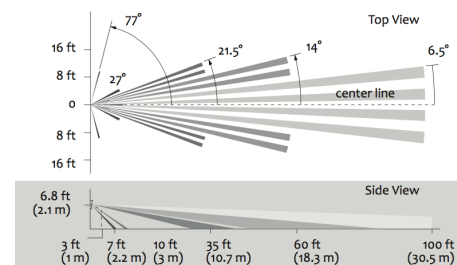
### Occupancy Sensor (Wall Mounted)

- Passive Infrared motion sensor
- Wide angle and long range lens options included
- 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

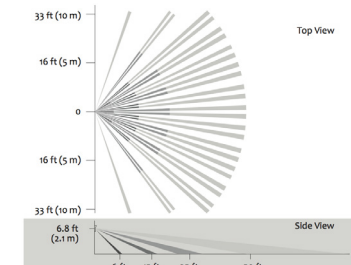
E9T-OSC-W	
<b>Power Supply Optional</b>	Indoor light energy harvesting Supplemental battery (CR2032) or 2-wire connector for external power or remote solar cell (3-5VDC)
<b>Frequency</b>	902 MHz EnOcean RF Transmitter
<b>Transmission Range</b>	80 ft. (25m)
<b>Motion Detection Range</b>	50 ft. (15m) wide angle / 100 ft. (30m) long range lens
<b>Minimum Operating Light</b>	50 lux (for auto-off only)
<b>Startup Charge Times* (from empty)</b>	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	
<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 min
<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
<b>Frequent Bright Light</b>	20 yrs (with 200 lux for 2 hrs/day, 7 days/week)
<b>Consistent Low Light</b>	15 yrs (with 65 lux for 5 hrs/day, 7 day/week)
<b>Total Darkness</b>	6.5 yrs
<b>EnOcean Equipment Profile (EEP)</b>	A5-07-01
<b>Dimensions</b>	5.83"H x 2.52"W x 1.8"D (148mm x 64mm x 45mm)
<b>Mounting Height</b>	6–8 ft (2–3m) recommended
<b>Agency Compliance</b>	FCC: SZV-STM300U

### Sensor Range and Coverage Diagrams

#### Long Range Coverage



#### Wide Angle Coverage



927 W. 500 N.  
Lindon, UT 84042

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

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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