EASYFIT
by EnOcean

Occupancy Sensor
Wall Mounted

Saving energy without sacrificing comfort can be effortless with occupancy based controls. The Wall-Mounted Occupancy Sensor is wireless and self-powered making it one of the most cost-effective ways to control energy-use in unoccupied rooms. They can be installed in minutes because there are no additional wires to run and they require no batteries so on-going maintenance costs are eliminated. The sensor harvests solar energy from indoor light and uses radio frequency technology to communicate wirelessly with other EnOcean-enabled devices, setting back temperature and turning off lights and electrical loads when it detects that a space has been unoccupied for a set period of time. The sensor feature clean contemporary styling, making it an attractive addition that's sure to compliment any décor.

Features & Benefits

- **Interoperable.** Communicates wirelessly with other devices using the EnOcean wireless standard.
- **Self-powered.** Integrated solar cell harvests indoor light to power the device and eliminates the need for wires or batteries.
- PIR motion sensor with both wide angle and long range options for maximum efficiency and flexibility in different room settings.
- Two molded buttons with LED indicator lights can be used to link and configure the device.
- Internal tray accommodates supplemental coin cell battery for use in low light environments.






Occupancy Sensor (Wall Mounted)

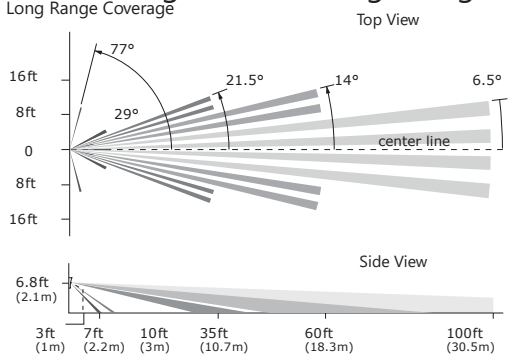
Specifications (typ. values)

Power Supply Optional	Indoor light energy harvesting Supplemental battery (CR2032) or 2-wire connector for external power or remote solar cell (3 - 5 VDC)
RF Communications	EnOcean 928 MHz, 902 MHz, 868 MHz
Transmission Range	80ft. (25m)
Motion Detection Range	50ft. (15m) wide angle / 100ft. (30m) long range lens
Minimum Operating Light	50 lux (for auto-off only)
Startup Charge Times* (from empty)	First motion transmission / Linking=5 min @ 200 lux Motion/Light/Walk Test Modes=1.5 hours @ 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 minutes
Unoccupied Transmission	10 and 30 minutes since last motion detection
Heartbeat Transmission	default = disabled / enabled = 1 hr intervals
Environment Indoor use	14° to 104°F (-10° to 40°C), 20% to 95% relative humidity (non-condensing)
Operating Life in Darkness	80 hours (after full charge)
Optional Battery Life: Infrequent Bright Light Consistent Low Light Total Darkness	Continuous battery-free operation standard 20 yrs (with 200 lux for 2 hrs/day, 7 days/week) 15 yrs (with 65 lux for 5 hrs/day, 7 days/week) 6.5 yrs
EnOcean Equipment Profile (EEP)	A5-07-01
Dimensions	5.83" H x 2.52" W x 1.8" D (148mm x 64mm x 45mm)
Mounting Height	6 - 8 feet (1.8 - 2.5m) recommended
Environmental conditions	14° to 104°F (-10° to 40°C), 20% to 95% relative humidity (non-condensing), Indoor use only
Agency Compliance	902 MHz: Contains FCC: SZV-STM300U IC: 5713A-STM300U 868 MHz: CE certified, R&TTE conform 928 MHz: Module inside conforms to ARIB STD-T108 and carries the following marking: R 206-000372

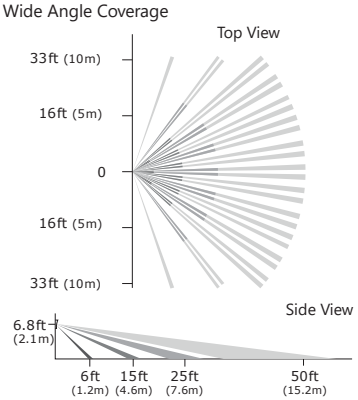
Note: These products are offered solely as finished products for OEM customers. OEM customers must add their own markings for certifications and product identification where applicable.

Sensor Range and Coverage Diagrams

Long Range Coverage



Wide Angle Coverage



Ordering information

Item Number	Item Description	Color
EOSWU-W-EO	Occupancy Sensor - Wall Mounted, 902 MHz	White
EOSWA-W-EO	Occupancy Sensor - Wall Mounted, 868 MHz	White
EOSWJ-W-EO	Occupancy Sensor - Wall Mounted, 928 MHz	White

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Typical Applications

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. Install the occupancy sensors in guest rooms, living spaces, common areas or hallways and link them with a HVAC setback module, thermostat or in-line switch module to ensure that the HVAC, lights and other electronic loads are only on when they are needed.

Energy Harvesting Wireless

Enjoy unlimited flexibility and performance with EnOcean-enabled energy harvesting wireless solutions. Systems that employ this wireless device benefit from limitless supplies of energy and unrivaled flexibility.

* *Specified lux values are for typical fluorescent lighting. Lux level requirements for LED and other types may vary. For lux unit reference, national standards often require a minimum of 300+ lux for office areas.*

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1 International Wireless Standard
300 EnOcean Alliance Members
1000 Interoperable Products

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