



Wall Mount Motion Sensor - 902MHz



Overview

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 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.

Applications

- Set back temperature and turn off lights and electrical loads when a space has been unoccupied for a set period of time

Features & Benefits

- Interoperable. Communicates wirelessly with other devices
- Self-powered. Two integrated solar cells enable indoor light energy harvesting to power the device and eliminate the need for wires or batteries.
- PIR motion sensor with 360 degree viewing angle lens for maximum efficiency in different room settings.
- Two molded buttons with LED indicator lights can be used to link and configure the device.
- Internal tray for optional coin cell battery use in low light environments

Model Selection

WI-EOSWU-W	Wall mount motion sensor, wireless (902MHz)
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Product Specifications

Power Supply	Indoor light energy harvesting Optional: supplemental battery or 2-wire connector for external power or remote solar cell (3 - 5 VDC)
RF Communications	EnOcean 902 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)	Linking = 4 min @ 100 lux 1.5 min @ 200 lux Motion Transmission = 6 min @ 100 lux 3.5 min @ 200 lux Light/Walk Test Modes = 5.5 hrs @ 200 lux
Note: Sunlight or a battery can be temporarily used to significantly shorten startup charge times	
Charge Time to Full	9 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	48 hours (after full charge)
Supplemental Battery Life	Continuous battery-free operation standard
<input type="checkbox"/> Infrequent Bright Light	20 yrs (with 200 lux for 2 hrs/day, 5 days/week)
<input type="checkbox"/> Consistent Low Light	15 yrs (with 50 lux for 5 hrs/day, 7 days/week)
<input type="checkbox"/> Total Darkness	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
Agency Compliance (902 MHz)	Contains FCC: SZV-STM300U IC: 5713A-STM300U

Specifications subject to change without notice.
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