



Wireless Lighting Controls

wiSTAR™ Occupancy Sensor

Wall Mounted

KEY FEATURES

- Sends messages to other devices when motion is detected
- Harvests indoor light to power the sensor
- Mounts flush on wall or in a corner
- Works with other sensors for enhanced occupancy tracking
- Interchangeable lenses for tailored sensor coverage
- Built-in tests to confirm operation
- Alternate power supply options for extreme low light conditions



WIS-OSW

OVERVIEW

Saving energy without sacrificing comfort can be effortless with occupancy based controls. Hubbell Building Automation's wiSTAR™ Wall-Mounted Occupancy Sensors are wireless and self-powered making them 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 wiSTAR devices, turning off lights and electrical loads when it detects that a space has been unoccupied for a set period of time. The wall-mounted occupancy sensors feature clean contemporary styling, making them an attractive addition that's sure to compliment any décor.

FEATURES and 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.

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 our wiSTAR In-Line Switch Module to ensure that the lights and other electronic loads are only on when they are needed.

SPECIFICATIONS

Power Supply	Indoor light energy harvesting (Optional supplemental battery or 2-wire connector for external power or remote solar cell)
RF Communications	EnOcean 902 MHz
Transmission Range	80ft. (25m)
Motion Detection Range	50ft. wide angle lens / 100ft. 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 <i>Note: Bright light or battery can be temporarily used to shorten initial startup charge times</i>
Charge Time to Full	9 hrs @ 200 lux
Sustaining Charge Time	3 hours per 24 hours @ 200 lux
Motion Transmission Interval	60 - 300 seconds (based on real-time charge rate) 60 sec @ 200 lux - 300 sec @ 50 lux
Heartbeat Transmission Interval	120 - 600 seconds (based on real-time charge rate) 120 sec @ 200 lux - 600 sec @ 50 lux
Operating Life in Darkness	48 hours (after full charge)
EnOcean Equipment Profile (EEP)	A05-07-02
Dimensions	5.83" H x 2.52" W x 1.8" D (148mm x 64mm x 45.7mm)
Mounting Height	6 - 8 feet (recommended)
Agency Compliance	FCC: SZV-EOSC05 IC: 5713-EOSC05
Warranty	One year

Interoperable Products / EEPs (EnOcean Equipment Profiles)

Product Name (EEP #)

Rocker Pad Switch (F6-02-02)
Key Card Switch (F6-04-01)
Window handle (F6-10-00)
IBS Single Input Contact (D5-00-01)
Temperature Sensor, 0 - 40° C (A5-02-05)
Occupancy Sensor (A5-07-01)
Contact, single input (A5-30-01)
Central Gateway (A5-38-08)

ORDERING INFORMATION

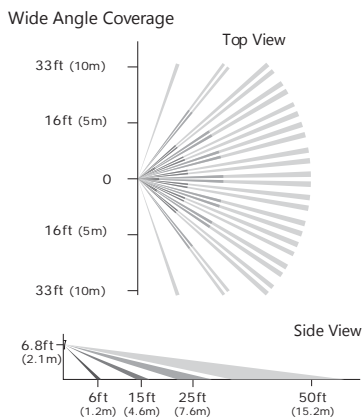
Item Number Description

WIS-OSW-WH wiSTAR Occupancy Sensor - Wall Mounted, 902MHz

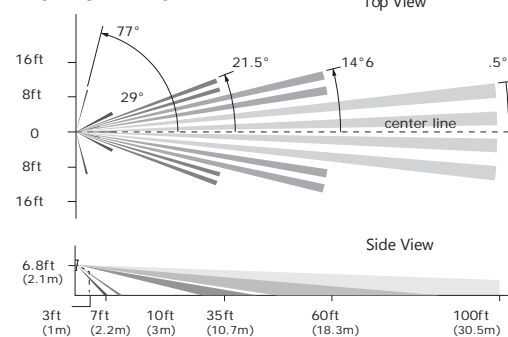
Color

White

SENSOR RANGE and COVERAGE DIAGRAMS



Long Range Coverage



Building Automation, Inc.

Hubbell Building Automation, Inc.
9601 Dessau Road | Building One | Austin, Texas 78754
{512} 450-1100 | {512} 450-1215 fax
hubbell-automation.com