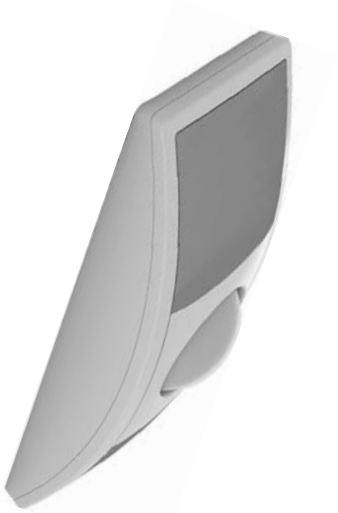
Building Automation, Inc.

Wireless Lighting Controls
wiSTAR™ Occupancy Sensor
Ceiling Mounted



WIS-OSC

KEY FEATURES

- Sends messages to other devices when motion is detected
- Harvests ambient solar energy to power the sensor
- Mounts easily on any ceiling material
- Works with other sensors for enhanced occupancy tracking
- Built-in tests to confirm operation
- Alternative power supply options for extreme low-light conditions

OVERVIEW

Saving energy without sacrificing comfort can be effortless with occupancy based controls. Hubbell Building Automation's wiSTAR™ Ceiling Mounted Occupancy Sensor enables a new level of energy saving control for rooms, hallways and other common areas. The occupancy sensor uses radio frequency technology to communicate wirelessly with other wiSTAR devices to turn off lights and electrical loads when a space has been unoccupied for a set period of time. Because the sensor is 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 them an attractive addition to any décor.

FEATURES and BENEFITS

- **Interoperable.** Communicates wirelessly with other devices using the EnOcean wireless standard.
- **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 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.

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2.2013

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	40ft. (25m) diameter
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 *Note: Bright light or battery can be temporarily used to shorten initial startup charge times*
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	6.5" H x 2.36" W x 1.47" D (160mm x 60mm x 37mm)
Mounting Height	7 - 10 feet (recommended)
Agency Compliance	FCC: SZV-EOSC05 IC: 5713-EOSC05
Warranty	One year

Interoperable Products / EEPs	**Product Name (EEP #)**
(EnOcean Equipment Profiles)	Rocker Pad Switch (F6-02-02) Key Card Switch (F6-04-01) Window handle (F6-10-00) 1BS 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	Color
WIS-OSC-WH	wiSTAR Occupancy Sensor - Ceiling Mounted, 902MHz	White

SENSOR RANGE and COVERAGE DIAGRAMS

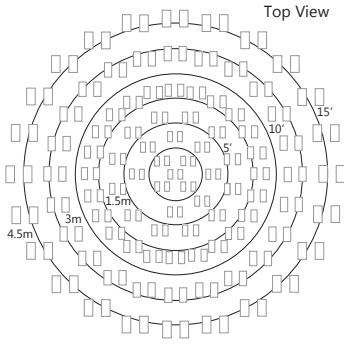

Fig. 2: Top view of sensor coverage based on 10ft. mounting height

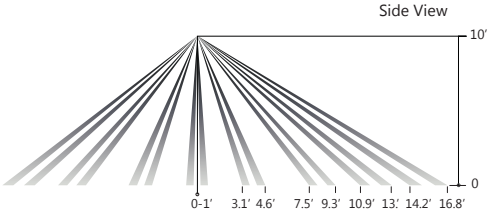

Fig. 1: Side view of sensor coverage based on 10ft. mounting height

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