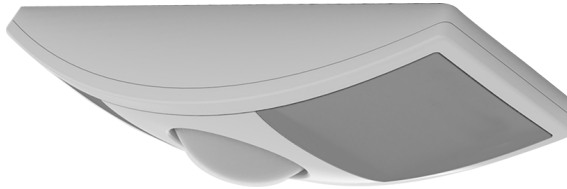




# Ceiling Mount Motion Sensor - 902MHz



## Overview

The 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 to set back temperature and turn off lights and electrical loads when a space has been unoccupied for a set period of time. The sensor is self-powered by harvesting energy from indoor light, eliminating the need for periodic battery changes.

## 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-EOSCU-W	Ceiling mount motion sensor, wireless (902MHz)
------------	--

## Product Specifications

Power Supply	Indoor light energy harvesting
<input type="checkbox"/> 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	40ft. (12m) diameter (refer to coverage diagrams)
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: 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	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)
EnOcean Equipment Profile (EEP)	A5-07-01
Dimensions	6.5" H x 2.36" W x 1.47" D (160mm x 60mm x 37mm)
Mounting Height	7 - 10 feet (2 - 3m) recommended
Agency Compliance - 902 MHz Contains:	
<input type="checkbox"/> FCC	SZV-STM300U
<input type="checkbox"/> IC	5713-STM300U

# Sensor Range and Coverage Diagrams

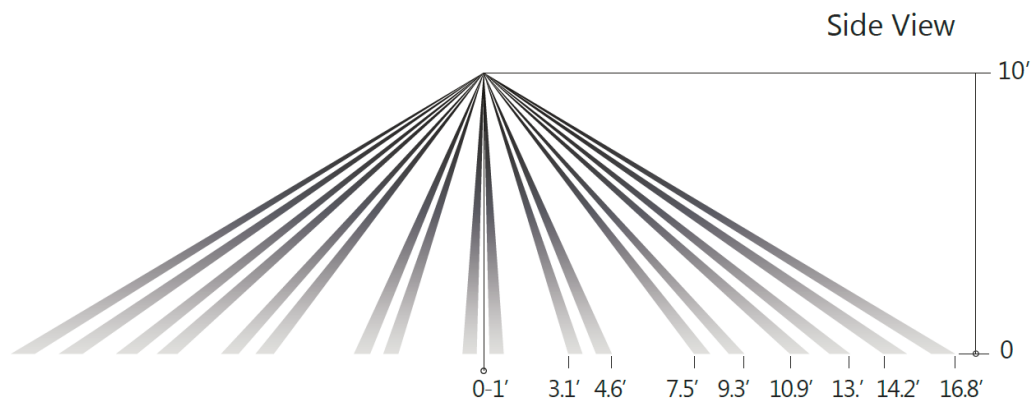


Fig. 1: Side view of sensor coverage based on 10ft. mounting height

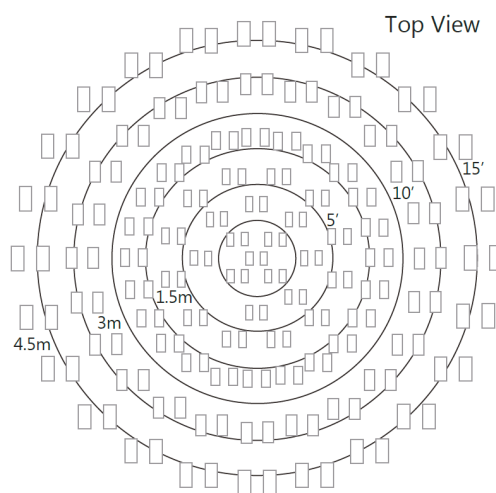


Fig. 2: Top view of sensor coverage based on 10ft. mounting height

Specifications subject to change without notice.  
Distech Controls, and the Distech Controls logo are trademarks of Distech Controls Inc. All other trademarks are property of their respective owner.  
©, Distech Controls Inc., 2015. All rights reserved.