



Self-powered, Wireless (wall-mount) Motion Occupancy Sensor

Saving energy without sacrificing comfort can be effortless with occupancy-based sensing & control. The Verve Occupancy Sensor enables a new level of energy saving control for rooms, hallways and other common areas. The sensor can be used to setback room temperatures and/or turn off lights &/or electrical loads when spaces are unoccupied.

**SELF-POWERED,
WIRELESS & AUTOMATED
ENERGY SAVINGS**

Energy Saving Retrofit Kits -
Pre-linked / pre-configured kits
enable immediate energy savings in
unoccupied spaces

Predictable, Field-validated
Energy Savings

- ◆ **Self-powered!** No batteries / No line-power needed. Integrated solar cell harvests indoor light to power the device and eliminates the need for installing wires and replacing 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 used for configuring the device
- ◆ Internal tray accommodates supplemental coin cell battery for use in extreme low light environments



Wireless communications are based on the EnOcean standard & interoperable with the entire family of Verve & ZENO Controls.

Payback Numbers from Verve-automated Hotels in the USA

Average Payback Period = 1.85 years*

Average Energy Savings / Year (100-room hotel) = \$11,650*

Visit VerveLS.com for ROI (return-on-investment) data & energy monitoring results from hotels that employed wireless controls to save energy.

* Paybacks vary according to site-specific ROI impact variables:

>>> Cost of electricity, climate, local utility rebates, occupancy rates, HVAC system type, etc.



EOSW

Verve Living Systems

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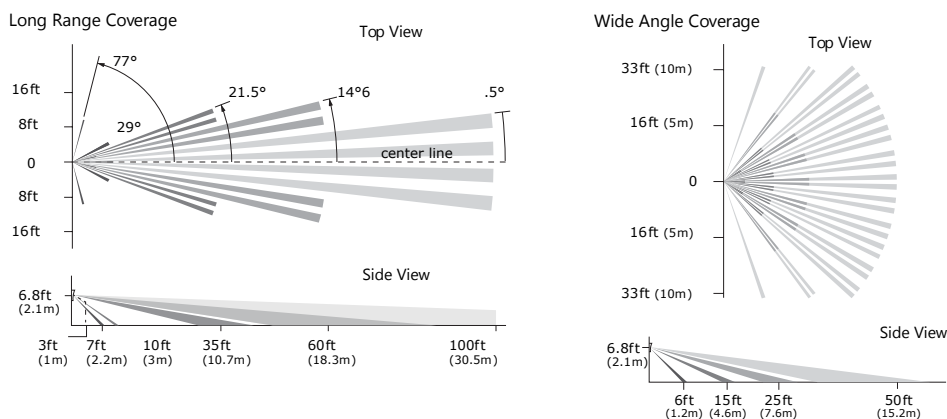
A registered brand of ZENO Controls, LLC

Motion Occupancy Sensor (wall-mount)

Specifications

Wireless Range	80ft. (25m, through 4 walls or ceilings)	
Wireless Communications	EnOcean 315 MHz EnOcean 902 MHz	
Power Supply	Indoor light energy harvesting (Optional supplemental battery or 2-wire connector for external power or remote solar cell)	
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)	<i>First Motion</i> Transmission / Linking = 5 min @200 lux <i>Motion LED blink</i> Light/Walk Test Modes = 1.5 hours @2000 lux	
<i>Note: Bright light or battery can be temporarily used to shorten initial startup charge times</i>		
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 Interval	default = disabled / enabled = 1 hr intervals	
Operating Life in Darkness	80 hours (after full charge)	
EnOcean Equipment Profile (EEP)	A5-07-01	
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 Certifications	902 MHz Contains FCC: SZV-STM300U IC: 5713A-STM300U 315 MHz Contains FCC: SZV-EOSW01 IC: 5713A-EOSW01	
Warranty	5 years	

Sensor Range and Coverage Diagrams



Ordering Information

Model #	Description
EOSW-3	Verve Wireless Motion Occupancy Sensor (315 MHz, wall-mounted)
EOSW-9	Verve Wireless Motion Occupancy Sensor (902 MHz, wall-mounted)

Pre-configured Kits

Sample Wireless Kits
(go on-line for more configurations)



VHSM HVAC Setback Module +
EDWS Entry Door Sensor +
EOSW Motion Occupancy Sensor



VPAC Plug-in AC Module +
EDWS Entry Door Sensor +
EOSW Motion Occupancy Sensor



VTST Wireless WiSPER Thermostat +
EDWS Entry Door Sensor +
EOSW Motion Occupancy Sensor

Forward Compatible

upgrade anytime with ZENO gateways,
software &/or InnPoint® front-end.



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