



Occupancy Sensor Wall Mounted

Saving energy without sacrificing comfort can be effortless with occupancy based controls.

The Verve® 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 through ambient lighting and uses radio frequency technology to communicate wirelessly with other Verve 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. Verve products feature clean contemporary styling, making them an attractive addition that's sure to compliment any décor.

Features & Benefits

- Communicates wirelessly with other Verve devices using EnOcean radio frequency technology.
- Integrated solar cell enables ambient solar harvesting 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.



Occupancy Sensor - Wall Mounted

Specifications

Power Supply	Solar harvesting (with supplemental battery option)
Inputs/Outputs	<ul style="list-style-type: none"> Solar cell for energy harvesting PIR sensor with swappable wide angle & long range lens options Radio Frequency (RF) transmitter 2 Buttons with LEDs for device configuration
Detection Range	80ft. (25m)
Communications	315MHz EnOcean RF transceiver
Transmission Range	80ft. (25m)
Light Required to Maintain Operation	15 lux for 6 transmissions/hour 50 lux for 30 transmissions/hour 100 lux for 60 transmissions/hour
Charge Time to Startup	1 minute @ 15 lux 5 seconds @ 200 lux
Time to Full Charge	3 hours @ 200 lux (after startup) 6 hours @ 200 lux (cold start)
Fully Charged Operating Life in Darkness	48 hours
Radio Transmissions	30 minutes @ 5 lux 15 minutes @ 10 lux 30 seconds @ 200 lux
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 Listing	FCC, I.C.
Warranty	5 years

Sensor Range and Coverage Diagrams

Long Range Coverage

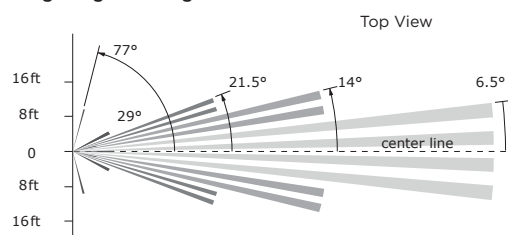


Fig. 1: Top view of long range lens coverage based on 6.8ft. mounting height

Wide Angle Coverage

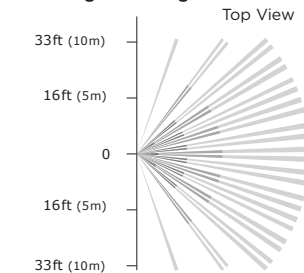


Fig. 2: Top view of wide angle lens coverage based on 6.8ft. mounting height

Ordering information

Item Number	Item Description	Color
VOSW-W	Occupancy Sensor - Wall Mounted	White

Typical Applications

Verve occupancy sensors are the perfect energy saving solution for any space where traffic patterns or occupancy determine the need to power the space. Install Verve occupancy sensors in guest rooms, living spaces, common areas or hallways and link them with our HVAC setback module, thermostat or in-line switch module to ensure that the HVAC, lights and other electronic loads are only on when they are needed.



HVAC Setback Module
VHSM-W



Door/Window Sensor
VDWS-W



Thermostat
Low V: X4103100W3VN
Line V: X41031LOW3VN



In-Line Switch Module
VISM-W

VERVE® LIVING SYSTEMS
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