



# Occupancy Sensor Ceiling Mounted

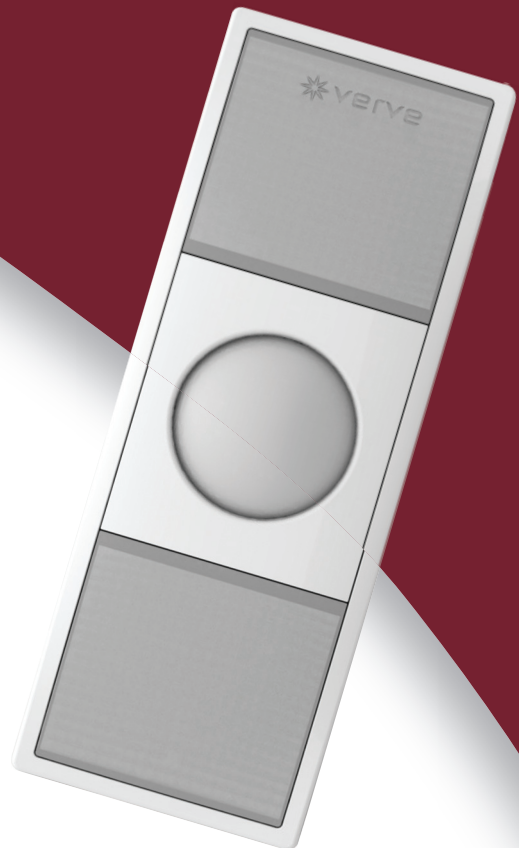
**Saving energy without sacrificing comfort can be effortless with occupancy based controls.**

The Verve® Ceiling Mounted Occupancy Sensor enables a new level of energy saving control for rooms, hallways and other common areas. Verve occupancy sensors use radio frequency technology to communicate wirelessly with other Verve devices to set back temperature and turn off lights and electrical loads when a space has been unoccupied for a set period of time. Because the sensors are 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 solar energy through ambient lighting, eliminating the need for periodic battery changes. The clean, contemporary styling of Verve products, make them an attractive addition to any décor.

## Features & Benefits

- Communicates wirelessly with other Verve devices using EnOcean radio frequency technology.
- Two (2) integrated solar cells enable ambient solar 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.



# Occupancy Sensor - Ceiling Mounted

## Specifications

Power Supply	Solar Harvesting (with supplemental battery option)
Inputs/Outputs	<ul style="list-style-type: none"> <li>• Solar cell for energy harvesting</li> <li>• PIR sensor with 360° lens</li> <li>• Radio Frequency (RF) transmitter</li> <li>• 2 Buttons with LEDs for device configuration</li> </ul>
Detection Range	40ft. (25m) diameter
Communications	315MHz EnOcean RF transmitter
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 (.5fc) 15 minutes @ 10 lux (1fc) 30 seconds @ 200 lux (20fc)
Dimensions	6.5" H x 2.36" W x 1.47" D (160mm x 60mm x 37mm)
Mounting Height	7 - 10 feet (recommended)
Agency Listing	FCC, I.C.
Warranty	5 years

## Sensor Range and Coverage Diagrams

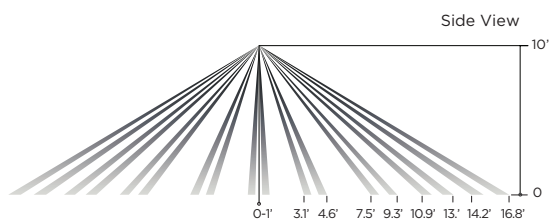


Fig. 1: Side view of sensor coverage based on 10ft. mounting height

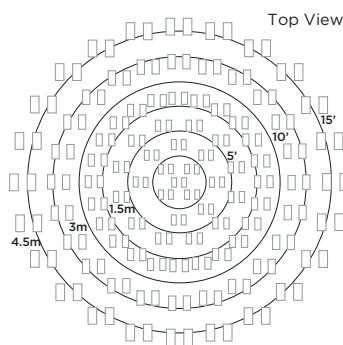


Fig. 2: Top view of sensor coverage based on 10ft. mounting height

## Ordering information

Item Number	Item Description	Color
VOSC - W	Occupancy Sensor - Ceiling 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 ceiling mounted 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: X4103100W/3VN  
Line V: X41031LOW/3VN



In-Line Switch Module  
VISM-W

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