



Recessed Door Sensor

Self-powered wireless sensors use door activity to monitor occupancy. The Verve Recessed Door Sensor can be inconspicuously installed within any standard door frame to enable occupancy based control of lighting, HVAC and miscellaneous electric loads. The sensor uses EnOcean radio frequency technology to communicate wirelessly with other Verve devices whenever it detects that a door has been opened or closed. The sensor is completely self-powered by harvesting small amounts of kinetic energy when the opening or closing of a door activates the mechanical plunger so there are no wires to run or batteries to replace. Combine the recessed door sensor with Verve ceiling or wall mounted occupancy sensors for maximum efficiency in occupancy based control of lighting, HVAC and miscellaneous electric loads.

Features & Benefits

- Communicates wirelessly with other Verve devices using EnOcean radio frequency technology.
- Self-powered by a mechanical plunger that generates enough energy to send a wireless signal to other devices when activated by the opening or closing of a door.
- No wires or batteries are required so installation is easy and the expense associated with period battery changes can be eliminated.
- Built in mounting plate for simple installation in any standard door or door frame.



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Typical Applications

The Verve Recessed Door Sensor is most often paired with another Verve occupancy sensor for maximum efficiency in occupancy based control of energy use through lighting, HVAC and miscellaneous electric loads. Install the recessed door sensor out of sight in any standard door or door frame and link it with a Verve thermostat to save energy by setting back the HVAC in the event that a door is left open for an extended period of time.

Specifications

Power Supply	Self-generating (Via EnOcean electrodynamic harvesting module)
Inputs/Outputs	Mechanical plunger-style door sensor Radio Frequency (RF) transmitter with integrated whip antenna
Communications	315MHz EnOcean RF transmitter
Transmission Range	80ft. (25m)
Radio Frequency	315MHz
RF Transmission	On door opening/closing events
Dimensions	1.78" H x 4.90" W x .86" D (45.26mm H x 124.36mm W x 21.73mm D)
Mounting	Hinge side of door, recessed within the frame or door
Installation Drill Diameter	7/8"
Environment	Indoor use only
Agency Listing	FCC, I.C.
Warranty	5 years

Ordering information

Item Number	Item Description	Color
VRDS-W	Recessed Door Sensor	White

Related Products



Link the Recessed Door Sensor to use with a Verve Occupancy Sensor for maximum efficiency and accuracy of occupancy based lighting and HVAC control.



The HVAC Setback Module links with the Verve Recessed Door Sensor and other control devices for simple affordable control of energy use.



Link the Verve Thermostat with the Recessed Door Sensor for efficient control of the HVAC system based on occupancy.

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