Self-powered, Wireless
Door / Window Sensor

The Verve wireless door / window sensor operates as an entry door or outside door / window status sensor. As an entry door sensor - when paired with a motion sensor - it automates energy savings when guest rooms are vacant. It can also be used to save energy when outside patio doors &/or windows are left opened. The sensor collects indoor light energy for its power so there are no wires to run or batteries to replace for this device.

INSTALL ENERGY SAVINGS WITHOUT TAKING ROOMS OUT-OF-INVENTORY

7-minute Guest Room Retrofits

-- Verve wireless retrofit kits ship pre-linked & pre-programmed specific to hotel specifications.

-- Most Verve energy saving wireless installations do not require professional electrical labor.

WIRELESS SIGNALS POWERED BY INDOOR LIGHT

- 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.
- Single button with LED indicator light enables simple device configuration.
- Internal tray for optional coin cell battery use in low-light rooms.

EDWS

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.

Verve Living Systems

(312) 874-6440

saveEnergy@verveLS.com

verve™ living systems

Door / Window Sensor

Specifications

Wireless Range	80ft. (25m, through 4 walls or ceilings)
Wireless Communications	EnOcean 315 MHz EnOcean 902 MHz
Wireless Transmission	On door/window opening/closing events or heartbeat
Power Supply	Indoor light energy harvesting (Optional supplemental battery or 2-wire connector for external power or remote solar cell)
Charge Time before Linking	4 minutes @ 200 lux
Light Required to Maintain Operation	50 lux for 30 transmissions/hour 100 lux for 60 transmissions/hour
Charge Time for Full Charge	20 hours @ 200 lux (after startup) 40 hours @ 200 lux (cold start)
Operating Life in Darkness (after full charge)	7 days: heartbeat only 3 days @ 10 actuations/hour 10 hours @ 100 actuations/hour
EnOcean Equipment Profile (EEP)	D5-00-01
Dimensions (Sensor)	3.15" H x .83" W x .59" D (80mm x 21mm x 15mm)
Dimensions (Magnet)	3.15" H x .47" W x .5" D (80mm x 12mm x 13mm)
Maximum Gap between magnet & sensor	0.25in. (6.4mm)
Mounting	Sensor (door or window frame) Magnet (door or window)
Agency Certifications	902 MHz Contains FCC: SZV-STM311U IC: 5713A-STM311U 315 MHz Contains: FCC: SZV-STM311C IC: 5713A-STM311C
Warranty	5 years

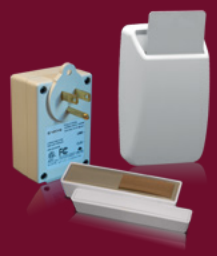
Ordering Information

Model #	Description
EDWS-3	Verve Wireless Door / Window Sensor (315 MHz)
EDWS-9	Verve Wireless Door / Window Sensor (902 MHz)

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 +
IKCS Hotel Keycard Switch +
EDWS Door / Window 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.

Modbus BACnet TCP / IP Mobile

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