

## Door/Window Sensor

### Self-powered wireless contact

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#### **A simple solution to help track occupancy when doors and windows are left opened**

The Door/Window Sensor can be easily mounted on any standard door or window frame to enable occupancy based control of lighting, HVAC and miscellaneous electric loads. The sensor uses radio frequency technology to communicate wirelessly with other EnOcean-based devices whenever it detects that a door or window has been opened or closed. The sensor is completely self-powered by harvesting ambient solar energy so there are no wires to run or batteries to replace, reducing installation time and eliminating the need for on-going maintenance. For maximum efficiency and control of energy use, combine the door and window sensor with EnOcean-based ceiling or wall mounted occupancy sensors.

#### Features & Benefits

- **Interoperable.** Communicates wirelessly with other devices using the EnOcean wireless standard.
- **Self-powered.** Integrated solar cell harvests indoor light to power the device and eliminates the need for wires or batteries.
- Single button with LED indicator light enables simple device configuration.
- Built in mounting plate for easy installation on any standard door or window frame.
- Internal tray for optional coin cell battery use in low light environments.



EDWS



# Door/Window Sensor

## Specifications

Power Supply	Indoor light energy harvesting (Optional) Supplemental battery	
Inputs/Outputs	<ul style="list-style-type: none"><li>• Integrated solar cell for energy harvesting</li><li>• Magnetic reed switch contact sensor</li><li>• Radio Frequency (RF) transmitter</li><li>• Button with LED for device configuration</li></ul>	
RF Communications	EnOcean 902 MHz	
Transmission Range	80ft. (25m)	
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	
EEP (EnOcean Equipment Profile)	D5-00-01	
RF Transmission	On door/window opening/closing events or heartbeat	
Maximum Sensor Gap	0.25in. (6.4mm)	
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)	
Mounting	Sensor (door or window frame), Magnet (door or window)	
Agency Compliance	902 MHz Contains:	FCC: SZV-STM320U IC: 5713A-STM320U

## Ordering information

Item Number	Item Description	Color
EDWSU-W-EO	Door/Window Sensor, 902MHz	White

v1.8

## Typical Applications

The Door/Window Sensor is most often paired with an occupancy sensor to accurately detect when someone enters or exits a room enabling more efficient control of energy use. It can also be used stand-alone to avoid wasted energy by setting back the HVAC when it detects that an outside door or window has been left open.

## Energy Harvesting Wireless

Enjoy unlimited flexibility and performance with EnOcean-enabled energy harvesting wireless solutions.

Systems that employ this wireless device benefit from limitless supplies of energy and unrivaled flexibility.



1 International Wireless Standard  
300 EnOcean Alliance Members  
1000 Interoperable Products

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