

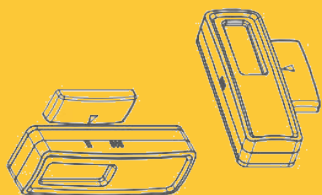
Door & Window Sensor

Solar-Powered Wireless Contact

E9T-DWS

A simple solution to track if doors and windows are open or closed

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 ongoing maintenance. For maximum efficiency and control of energy use, combine the door and window sensor with EnOcean-based ceiling or wall mounted occupancy sensors.



Typical Applications

- **Energy Savings:** Automatically switch OFF heating system when window is left open.
- **Security:** Protect home to avoid theft. Sensor can trip alarm system.
- **Light:** Switch ON or OFF automatically when someone opens or closes a door.
- **Scenario:** Launch the “welcome” scenario as soon as you enter your home.

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Features & Benefits

- **Solar-Powered:** Integrated solar cell harvests indoor light to power the device and eliminates the need for wires or batteries.
- **Interoperable:** Communicates wirelessly with other devices using the EnOcean wireless standard.
- **Easy To Mount:** Use screws or sticky bands. Built in mounting plate for easy installation.
- **Optional Battery:** Internal tray for optional coin cell battery use in low light environments.
- **Discrete:** Mount it & forget it.



Power Supply	Indoor & outdoor light energy harvesting. Optional battery tray
Inputs/Outputs	<ul style="list-style-type: none"> • Integrated solar cell for energy harvesting • Magnetic reed switch contact sensor • Radio Frequency (RF) transmitter • Button with LED for device configuration
Wall Mounting	Adhesive tape (included) or screws (not included)
Transmission Range	Masonry: 30m(98.4ft), Concrete: 15m(49.2ft), Wood: 40m(131.2ft)
First use without Battery	<10 min
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)
Optional CR1216 battery	Not included. For dark area use (3 years in total darkness)
Operational Temperature	0°C to 40°C (-32°F to 104°F)
RF Transmission	On door/window opening/closing events
Maximum Sensor Gap	0.20in. (<5mm)
Dimensions (Sensor)	3.15" H x 1.02" W x .70" D (80mm x 26mm x 18mm)
Radio:	EnOcean 902 MHz, EEP: D5-00-01
Mounting	Sensor (door or window frame), Magnet (door or window)
Certifications	FCC, IC, CE

