EnergyCenter BY AUTANI

EnOcean **Door/Window Sensor**

Self-powered, Wireless Contact

Description

The *Door/Window Sensor* provides a simple solution to help track occupancy when doors and windows are left opened. It can be easily mounted on any standard door or window frame to enable occupancy based control of lighting, HVAC and miscellaneous electric loads.

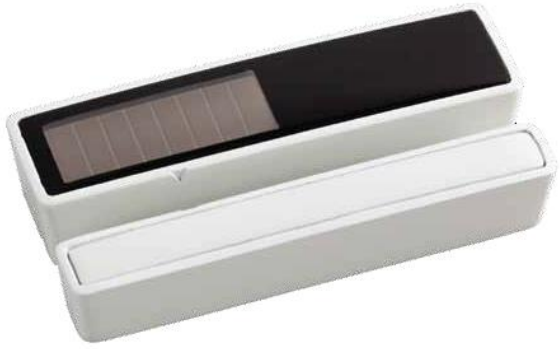
The sensor uses radio frequency technology to communicate wirelessly with other *EnergyCenter* and EnOcean-based devices whenever it detects that a door or window has been opened or closed.

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.

Applications

EnOcean Door/Window Sensors are suitable for renovation, upgrade, and new construction projects.

- Private & Open Offices
- Corridors & Hallways
- Classrooms & Gymnasiums
- Warehouse Spaces & Manufacturing Areas
- Patient Care Rooms
- Transportation Terminals
- Retail & Grocery Stores



Features

- Communicates wirelessly with other *EnergyCenter* and EnOcean devices
- 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 coin cell battery as backup for low light environments
- Can be used stand-alone or paired with an occupancy sensor to control energy use even more efficiently
- Energy harvesting wireless solution provides limitless supplies of energy and unrivaled flexibility

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Specifications

POWER SUPPLY
- Indoor light energy harvesting
- (Optional) Supplemental battery

INPUTS/OUTPUTS
- Integrated solar cell for energy harvesting
- Magnetic reed switch contact sensor
- Radio Frequency (RF) transmitter
- Button with LED for device configuration

RADIO NETWORK (ENOCEAN)
- 902 MHz RF transceiver

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

RF TRANSMISSION
- On door/window opening/closing events or heartbeat

MAXIMUM SENSOR GAP
- 0.25in. (6.4mm)

DIMENSIONS
- Sensor HxWxD: 3.15 x 0.83 0.59in (80 x 21 x 15mm)
- Magnet HxWxD: 3.15 x 0.47 x 0.5in (80 x 12 x 13mm)

MOUNTING
- Sensor: door or window frame, Magnet: door or window

AGENCY COMPLIANCE
- FCC, see product for agency markings

WARRANTY
- 1 year

Indoor use only

enocean

Ordering Information

SKU	Description
A05-22-0161-01	Door/Window Sensor, Self-powered wireless contact, 902MHz, White
EnOcean Wireless Accessories *For additional information, see the individual product's data sheet.*	
A07-22-0404-01	Key Card Switch, Self-powered Wireless Occupancy Detection, 902MHz, White
A05-22-0163-01	Occupancy Sensor, Ceiling Mounted, Wireless, 902MHz, White
A05-22-0164-01	Occupancy Sensor, Wall Mounted, Wireless, 902MHz, White
A02-22-0213-01	Single Rocker Pad, Wireless, 902MHz, White
A02-22-0214-01	Double Rocker Pad, Wireless, 902MHz, White

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