Wireless Door|Window Sensor

Energy Harvesting Wireless Sensor

As part of Automated Logic's wireless sensing line, Wireless Door|Window sensors are used to detect when windows and doors are opened or closed in a space. Because there are no wires to run, they can be added to your building easily.

Wireless sensors work in conjunction with a wireless adapter, which enables wireless communication between the Wireless sensors and a WebCTRL® BACnet controller in the space. By sensing when windows and doors are opened wirelessly, our WebCTRL controllers can make smart decisions to optimize the control of heating, cooling, and lighting systems in the building, providing optimum occupant comfort and energy efficiency.

Key Features and Benefits

Easy to Install

- Communicates on the Rnet sensor network, via a wireless adapter
- Can be installed up to 60' away from wireless adapter
- Enables wireless sensing on new or retrofit projects
- Wireless software included for quick & easy sensor pairing
- Available in different frequencies for different parts of the world

Sensing Capabilities

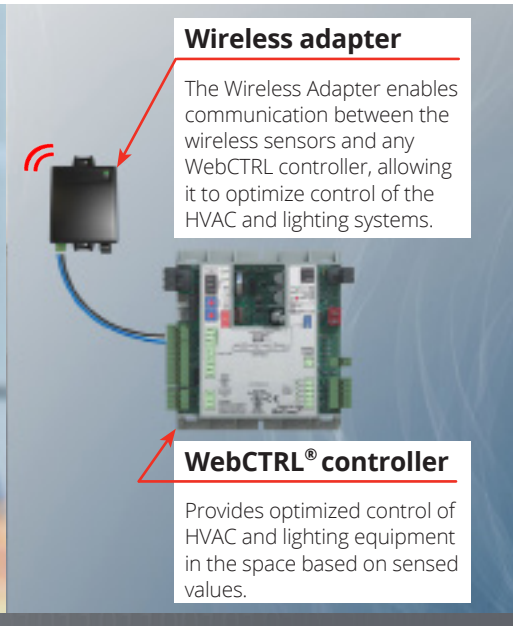
- Door or window opening|closing via magnetic relay switch

Automated Logic Wireless System Benefits

- Wireless and battery-less space sensors (assuming sufficient lighting exists in space)
- Maintenance-free capacitors power the sensors during unlit periods for up to 4-days without a light source
- Easy and cost-effective installation
- No repeaters or amplifiers required for zone-based applications
- Sensors transmit on COV (change of value), to save energy
- Integrates seamlessly with WebCTRL alarming for proactive monitoring of important sensor conditions, including:
  - Sensor backup capacitor charge
  - Sensor signal strength
  - Sensor offline
- Can co-exist on Rnet with Automated Logic's wired ZS sensors
  - Single-program controllers can support a total of 5 sensors
  - Multi-program controllers can support up to 15 sensors

Wireless Door|Window Sensor

Placed on the interior side of any door or window frame, this sensor can detect when doors and windows are opened or closed, providing energy-saving HVAC control.



Wireless adapter

The Wireless Adapter enables communication between the wireless sensors and any WebCTRL controller, allowing it to optimize control of the HVAC and lighting systems.

WebCTRL® controller

Provides optimized control of HVAC and lighting equipment in the space based on sensed values.

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We make data **big.**™

Next level building automation engineered to help you make smart decisions.

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Specifications

Power supply	Solar harvesting, internal energy storage	
Supplemental battery option	A CR1216 battery is included to supplement power during commissioning and for low-light conditions	
Protocol	Customized version of EnOcean®	
Radio frequency	902 MHz (North America)	
Transmission range	Typically, 60 ft. (18.29 m) maximum from wireless adapter, assuming sensor and wireless adapter are separated by no more than 1 drop ceiling or 2 walls (drywall with metal studs).	
Transmission interval	The sensor transmits: • On change of sensed value, and • At a regular 25-minute interval (heartbeat).	
Maximum operating life with no light power or battery	Up to 4 days	
Minimum illumination strength	15 lux, constant	
Maximum sensor gap	0.25 in. (6.4 mm)	
Degree of protection	IP50	
Operating environment	Indoor rated only, 32° to 131°F (0° to 55°C) 5% to 95% relative humidity (non-condensing)	
Housing	ABS plastic, ceiling white color	
Weight	0.97 oz. (27.5g)	
Dimensions	Sensor: Magnet:	3.15"L x 0.83"W x 0.59"D (8.0 cm x 2.1 cm x 1.5 cm) 3.15"L x 0.47"W x 0.5"D (8.0 cm x 1.2 cm x 1.3 cm)
Compliance	United States of America:	FCC CFR47, Chapter 1, Subchapter A, Part 15, Subpart B, Class B Contains FCC ID: SZV-STM300U
	Canada:	Industry Canada Compliant, ICES-003, Class B Contains IC ID: 6713A-STM300U
	Europe:	CE Mark, Low Voltage Directive: 2014/35/EU RoHS Compliant: 2011/65/EU
	Australia and New Zealand:	C-Tick Mark, AS/NZS 61000-6-3

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