

Wireless Sensor Installation.

Door / Window Sensor (WSR00-030)



Range	75 feet (typical)
Power Supply	Integrated Solar Cell / Super Cap
Frequency	315 MHz
EEP	D5-00-01
Start up time with empty energy storage, typical	<2.5 min @ 400 lux, 25°C
Initial operation time in darkness, typical	6 days if energy storage is fully charged
Dimensions	Sensor - .625 x .8125 x 3.625 Inches (15.875 x 20.6375 x 168.275 mm) Magnet - .375 x .8125 x .5 Inches (9.525 x 20.6375 x 12.7 mm)
Operating Temperature	-20 up to +60° C
Mounting	Double-sided tape
Ratings and Approvals	FCC (United States) SZV-STM310C I.C. (Canada) 5713A-STM310C

Basic Operation

The battery-free window / door contact WSR00-030 powers itself from a solar cell and stores the energy for night operation. A signal is transmitted when the contact is opened or closed. Every fifteen minutes, a signal indicating the current status is also transmitted.

The window / door contact and the magnet must be located next to each other when the window or door is closed. They may not be spaced more than .31" apart.

Double-sided tape or screw mounting.

Installation

Steps for installing WSR00-030.

1. Choose the optimal mounting location.
2. Pair sensor to receiver and test communication at proposed mounting location.
3. Mount Sensor.

1. Choose the optimal mounting location

The long term reliability and performance of the sensor will be determined by the mounting location. Choose a mounting location carefully. For best radio performance:

- The sensor transmission range is typically 15 to 60ft (5 to 20m) and varies depending on the environmental factors including proximity to metal, obstructions and interference.

- Mounting on or near metal will reduce the range.
- Mounting higher and away from obstructions will maximize the range. For proper light exposure:
- Select location to ensure sensor is exposed to 200 lux illumination for at least 2 hrs per day.
- Artificial light should be as direct as possible, not from a steep angle.
- Confirm window coverings or obstructions do not interfere with light exposure on sensor.
- Consider future obstructions that may reduce sensor light exposure based on intended use of room. Note: Before use, charge for 30 minutes in 200-400 Lux after opening.

2. Pair sensor to receiver and test communication at proposed mounting location

- Use instructions for learning from the receiver installation guide.
- Press teach button through the small opening on the side of the sensor. LED visible through indicator opening on side of sensor will blink when sensor transmits.
- Test sensor communication at proposed mounting location and confirm reliable operation.

3. Mount Sensor

- Use provided screws or double-sided tape to mount the sensor and magnet.
- Carefully align marks on side of magnet and sensor.
- Sensor will detect closed position when magnet is within 0.175 inches (4.5mm) of alignment mark on sensor.
- An alignment template is provided on this guide for convenience.
- Magnet may be installed at right angle to sensor if desired.
- Optional Theft Deterrent. To reduce tampering, insert the provided set screws into the security holes on the side of the Door/Window sensor.