

Outdoor Door/Window Sensor is a full-featured security transmitter with industry-leading wireless range and battery life. It is designed to sense the opening and closing of gates, sheds, and other outdoor open/close applications. An alarm signal will be transmitted when the magnet is pulled away from the sensor, or when an external contact is opened.

Features

- Industry-leading wireless range and battery life
- Wide magnetic gap distance
- Two built-in external contact zones
- Secure encrypted wireless transmissions
- IP67 waterproof enclosure rating
- 5-year warranty

Enroll all variants by entering their serial numbers into the security panel. Alternatively, the sensor can be enrolled in one of the following ways:

DSC®, *Qolsys®* and *Interlogix®* variants are enrolled by placing the panel into enrollment mode, and then pulling the battery tab or tampering the device.

Honeywell® and *2GIG®* variants are enrolled by placing the panel into wireless enrollment mode and either removing the battery tab while holding the tamper, or by tripping the device three times. These sensors must be enrolled as a "Loop 2" sensor.

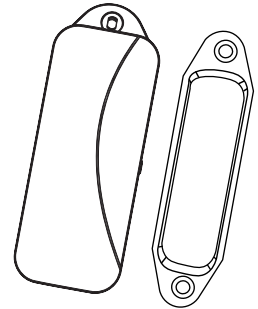
Enrollment of External Contacts

- Interlogix External 1 replaces reed switch if installed. Interlogix External 2 is enrolled by powering up the sensor while holding the tamper.
- Honeywell & 2GIG External 1 & 2 should be enrolled as Loop 1 and Loop 3, respectively. Enroll each external by tripping it 3 times.
- DSC Externals are enrolled by tripping the desired external while the device is tampered.

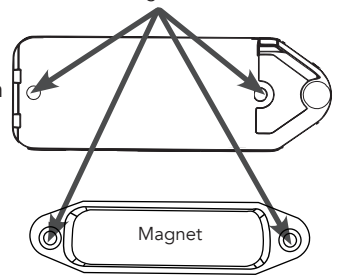
Install by first attaching the mounting plate and magnet to a door, window, or fence using screws (provided) or cable ties (not provided).

Mounting Tips

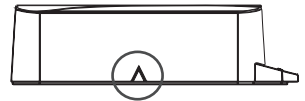
- Face of mounting plate marked "Flat Mount" is to be mounted against flat surfaces (e.g. square wood post).
- Face of mounting plate marked "Pole Mount" is to be mounted against round surfaces (e.g. fence post).



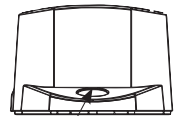
Mounting Screw Holes



Magnet



Alignment Marks



Cover-Securing Screw Hole

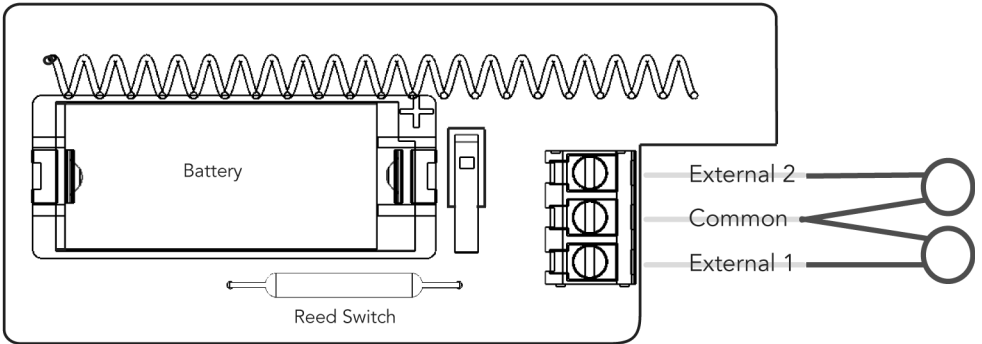
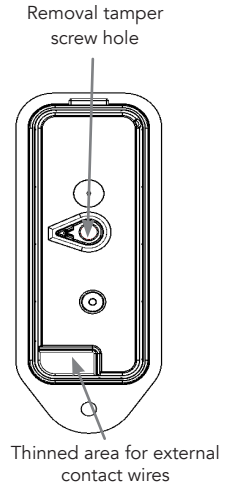
Use the panel installation guide to verify proper system setup.

Make sure to align the alignment marks on the sensor and magnet when mounting. Finish by latching the sensor to the mounting plate and tightening the cover-securing screw to secure the sensor in place.

Removal Tamper is implemented by screwing the provided screw with rubber washer through the removal tamper screw hole in the base and into the mounting surface. Remove the battery for access to the removal tamper screw hole.

External Contacts can be installed by routing the wires through the back of the enclosure. A thinned area in the enclosure must be punched out with a screwdriver to allow the wires through. After routing and connecting the wires, reseal the hole with silicone caulk.

- Do not use end-of-line resistors.
- Wire contacts to one or both outside terminals using the center terminal as a shared common.
- The sensor defaults to use normally closed contacts (alarm condition when contact is open).
- To reprogram external inputs, set both externals to the desired non-alarm state and restart (remove and reinstall battery) the device 3 times while holding the tamper switch.



Pro Tips

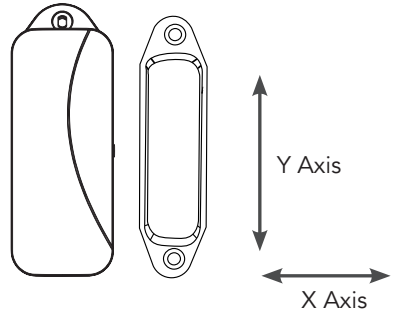
Metal installs should include pre-drilling holes before using screws to secure the mounting plate and magnet.

Wireless performance is optimized when mounted near the top of the gate or door in a vertical orientation.

Magnet Gap Specifications

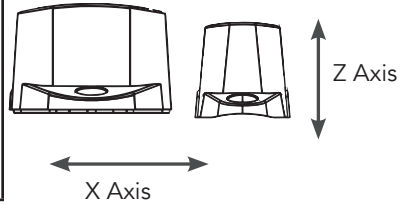
Non-Ferromagnetic Surface (e.g. Wood, Vinyl, etc.)

| | |
|---------------------------|-----------------------|
| Nominal Mounting Distance | 2.70 inches (6.86 cm) |
| X Axis - Make | 2.80 inches (7.11 cm) |
| Break | 2.85 inches (7.24 cm) |
| Y Axis - Make | 3.50 inches (8.89 cm) |
| Break | 3.55 inches (9.02 cm) |
| Z Axis - Make | 3.27 inches (8.31 cm) |
| Break | 3.33 inches (8.46 cm) |



Ferromagnetic Surface (e.g. Iron, Nickel, etc.)

| | |
|---------------------------|-----------------------|
| Nominal Mounting Distance | 1.90 inches (4.83 cm) |
| X Axis - Make | 2.00 inches (5.08 cm) |
| Break | 2.05 inches (5.21 cm) |
| Y Axis - Make | 2.50 inches (6.35 cm) |
| Break | 3.00 inches (7.62 cm) |
| Z Axis - Make | 2.32 inches (5.89 cm) |
| Break | 2.37 inches (6.02 cm) |



*Sensitivity can be adjusted by moving the magnet in the closed position farther away from the sensor.

Specifications

| Physical | |
|--------------------------------------|---|
| Housing Dimensions | 3.3 x 1.3 x 2.8 inches (8.4 x 3.3 x 7.1 cm) |
| Weight with Battery | 5.7 ounces (161.6 grams) |
| Mounting Fasteners | Four 1 inch stainless steel screws (provided) |
| Removal Tamper Fastener | One 1 ^{1/4} inch stainless steel screw with rubber washer (provided) |
| Environmental | |
| Operating Temperature | -40° to 158°F (-40° to 70°C) |
| Maximum Humidity | 100% Relative Humidity (RH) |
| Ingress Protection Rating | IP67 |
| Sensor Specifications | |
| Frequency | 433.92MHz, 319.5MHz, 345MHz |
| Replacement Battery | One Panasonic® CR123A Lithium Battery |
| Nominal Battery Life | 10 years |
| Battery Voltage | 3.0 VDC (Nominal), 2.2 VDC (Low) |
| Current Draw | 20 mA (Maximum), 0.6 uA (Quiescent) |
| Transmitted Indications | Cover Tamper, Removal Tamper, Low Battery, Supervision |
| Max Wire Length on External Contacts | 7.5 feet |
| Certification | |
| RE107, RE207, RE207T, RE307 | FCC, IC |

Specifications subject to change without notice

WARRANTY

Alula will replace non-portable products that are defective in their first five (5) years and all portable products in their first two (2) years.

IC NOTICE

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux cnr d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) L'appareil ne doit pas produire de brouillage, et
- (2) L'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC: 8310A-RE107, 8310A-RE207, 8310A-RE307

FCC NOTICE

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference that may be received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by Alula could void the user's authority to operate this equipment.

FCC ID: U5X-RE107, U5X-RE207, U5X-RE307

TRADEMARKS

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