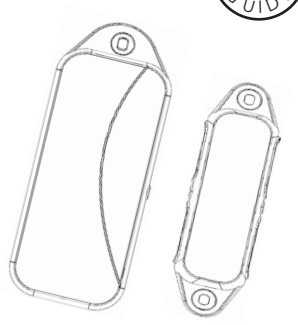
alula™
Resolution Compatibles

# Outdoor Door/Window Sensor

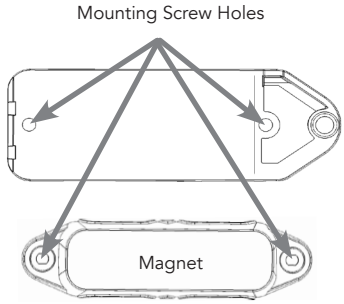
INSTALL GUIDE



**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***

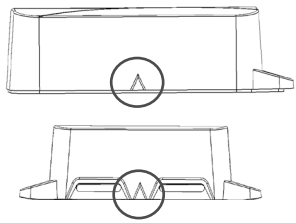
- Industry-leading wireless range and battery life
- Wide magnetic gap distance
- Two built-in external contact zones
- Secure encrypted wireless transmissions
- IP67 waterproof enclosure rating
- 5-year warranty




***Enroll*** by placing the panel into wireless enrollment mode and transmitting an enrollment signal from the sensor. Interlogix, Qolsys, DSC, and Cryptix sensors can be enrolled by pulling the battery tab or tampering the unit. Honeywell and 2GIG sensors can be enrolled by tripping the unit 3 times or holding the tamper and powering up the device by pulling the battery tab. Honeywell and 2GIG sensors must be enrolled as Loop 2 sensors. Alternatively, all sensors can be enrolled by manually entering the sensors serial number.

***Enrollment Signal***

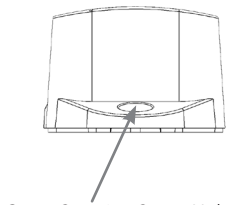
- Interlogix External 2
  - Power up the sensor while holding the tamper
- Honeywell & 2GIG External 1 & 2
  - Should be enrolled as Loop 1 and Loop 3, respectively. Enroll each external by tripping 3 times
- DSC Externals
  - Trip desired external to enroll




***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***

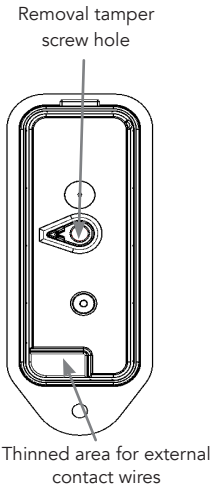
- Face of mounting plate marked "Flat Mount" is to be mounted against flat surfaces (e.g. square wood post).
- Face of mounting plate marked "Pole Mount" is to be mounted against round surfaces (e.g. fence post).




*Use the panel installation guide to verify proper system setup.*

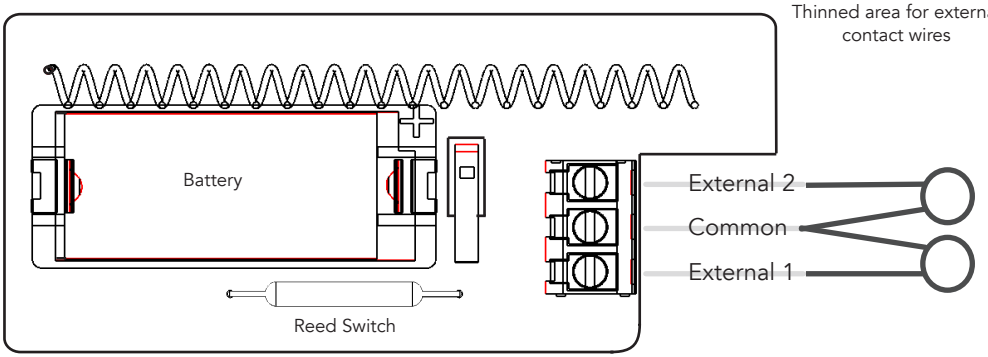
Make sure to align the alignment marks on the sensor and magnet when mounting. Finish by latching the sensor to the mounting plate and tightening the cover-securing screw to secure the sensor in place.

***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

- Use normally-closed contacts because the sensor will transmit a signal when it sees an external contact open.
- Do not use End-of-Line Resistors.
- Wire the contact to one or both outside terminals using the center terminal as common.



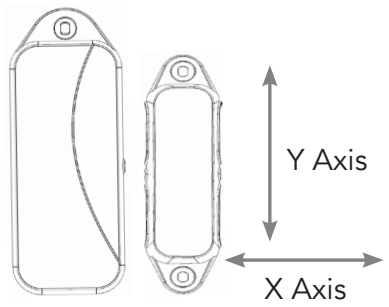

## *Pro Tips*

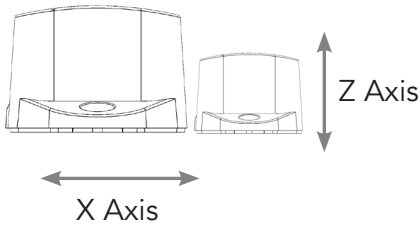
***Metal installs*** should include pre-drilling holes before using screws to secure the mounting plate and magnet.

***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, Nickle, 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) |



## *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 | 433.92 MHz, 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) |
| Max Wire Length | 7.5 feet |
| Transmitted Indications | Cover Tamper, Removal Tamper, Low Battery, Supervision |
| **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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