

The **RE109 Glassbreak** is a security sensor that detects the sound of breaking glass and sends alarm signals to the security panel.

Features

- 360 degree omni-directional coverage
- Optional external contact
- Low battery indication
- 5-year warranty

Enroll by placing the panel into wireless enrollment mode, removing the battery tab, and pressing the enrollment button.

Sending an Enrollment Signal

- Remove the battery tab and press the enrollment button

Install by mounting the sensor at least 3 feet (~1 m), but no more than 25 feet (~7.5m), from a window using the mounting screw locations or VHB tape. Ensure that the sensor has visual line-of-sight to all windows being protected.

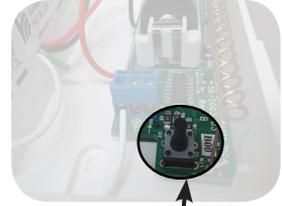
Glassbreak Testers should be used to verify operation after enrollment and installation (use any glassbreak tester).

- Putting Sensor in Test Mode:
 1. Put tester on tempered setting.
 2. Hold tester next to the microphone and activate tester.
 3. The red LED will light for 4 seconds.
 4. Sensor sends alarm to control panel.
 - Red LED will blink one time per second for one minute (Test Mode).
 - Every time the sensor hears the tester in Test Mode, the red LED will light for four seconds and sensor sends alarm.
 - In Test Mode:
 1. Test sensor distance – holding tester near surface of the window protected, activate tester with speaker pointed towards sensor.
 2. If the red LED does not light for 4 seconds, relocate sensor and retest.
 3. When location is verified and a good test is confirmed, the red LED will stop blinking 1 minute after last tester sound it hears.
- NOTE: The pattern recognition technology of this sensor ignores most false alarm sounds, including glassbreak testers (except in test mode).

Enroll an External Contact by holding down the enroll button and installing the battery. Keep the button pressed for two seconds after installing the battery to send an enrollment message.

External Contact

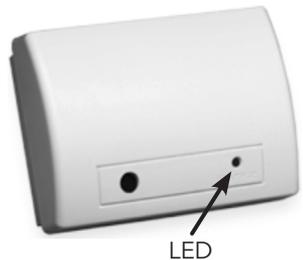
- External contact has a separate sensor ID from glassbreak
- Connect the external contact to terminal B and the middle terminal
- Use only a **normally-closed** contact
- Do not use end-of-line resistors



Enroll Button



External Contact
Terminal Block



LED

Use the panel installation guide to verify proper system setup.

Pro Tips

3M VHB Tape™ works great if the surface is properly prepared and firm pressure is applied for over 10 seconds.

Surface Preparation

- Clean the surface
- Ensure the mounting surface temperature is above 50 °F

LED blinks when the sensor detects breaking glass.

Specifications

Physical	
Housing Dimensions	3.3 x 1.4 x 1.1 inches (8.3 x 3.6 x 2.7 centimeters)
Weight with Battery	1.9 ounces (54 grams)
Mounting Fastener	#6 screws, anchors, VHB tape (all provided)
Environmental	
Operating Temperature	32°F to 120°F (0°C to 49°C)
Maximum Humidity	85% non-condensing relative humidity
Sensor Specifications	
Frequency	319.5 MHz
Replacement Battery	One Panasonic CR123A
Nominal Battery Life	5 years
Battery Voltage	3.0 VDC (Nominal), 2.2 VDC (Low)
Current Draw	30 mA (Maximum), 17 uA (Quiescent)
Transmitted Indications	Low Battery, Supervision
Max Wire Length on External Contacts	7.5 feet
Certification	
RE109	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-RE109

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: USX-RE109

TRADEMARKS

Alula is a trademark owned by Alula Holdings, LLC.

"Interlogix" is a trademark owned by United Technologies Electronic Controls Inc.

3M VHB Tape is a trademark of 3M.

Alula products will function with Interlogix systems. However, no Alula product is produced by, endorsed by, or is officially associated with Interlogix.

Alula recommends verifying proper enrollment and operation, per control panel installation instructions, at installation.