clare™
CS-GBS-10
Glassbreak Sensor

INSTALL GUIDE I

The CS-GBS-10 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

Enroll by placing the panel into wireless enrollment mode and sending an enrollment signal. Alternatively, the sensor can be enrolled by scanning its bar code using the Install Assist App or by entering its 8-character serial number on the interactive service provider's web portal.

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).

Optional External Contact may be enrolled as an additional zone. In order to use the external contact, it must be enabled using the Connect+ Installer App or the interactive service provider's web portal.
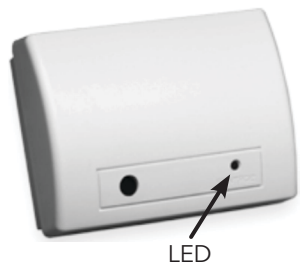
External Contact
- Connect the external contact to terminal B and the middle terminal
- Use only a **normally-closed** contact
- Do not use end-of-line resistors
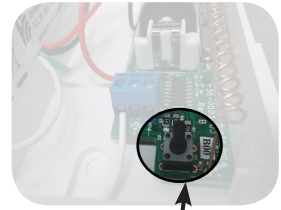
Enroll Button
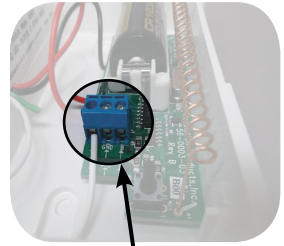
External Contact Terminal Block

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	433.92 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	
RE609	FCC, IC, RCM
RE609-CE	EN 60950-1, EN 300 220, EN 301 489, CE

Specifications subject to change without notice.

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