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SimpliSafe GBK301

SimpliSafe Glassbreak Sensor (Model GBK301) User Manual

Enhance your home security with reliable glass break detection.

1. Introduction

The SimpliSafe Glassbreak Sensor is designed to detect the distinct sound of breaking glass, providing an early warning system against forced entry through windows or glass doors. This sensor integrates seamlessly with your SimpliSafe Home Security System (Gen 3) to provide comprehensive protection.



Figure 1.1: The SimpliSafe Glassbreak Sensor, designed to detect the unique sound of breaking glass.

2. What's in the Box

- SimpliSafe Glassbreak Sensor

- Mounting Screws
- Extra Adhesives

3. Features

- **Sound Detection:** Identifies the specific acoustic signature of breaking glass.
- **Wide Coverage:** Detects glass breakage up to 20 feet away.
- **Instant Alerts:** Sends notifications to your SimpliSafe App upon detection.
- **Long-Lasting Battery:** Powered by a single lithium battery with an average life of 4 years.
- **Easy Installation:** Offers peel-and-stick or screw-mount options.
- **System Compatibility:** Fully compatible with the SimpliSafe Gen 3 Home Security System.

4. Setup and Installation

Follow these steps to install and integrate your Glassbreak Sensor into your SimpliSafe system:

1. **Add to System:** Open the SimpliSafe mobile app or use your system's Keypad. Navigate to the menu to add a new device and select 'Glassbreak Sensor'. Follow the on-screen prompts to pair the sensor with your system.
2. **Choose Location:** Select a central location within the room you wish to protect. The sensor has a 20-foot detection range, so position it where it has a clear line of sight to the windows or glass doors it will monitor. Avoid placing it behind large furniture or curtains that could obstruct sound.
3. **Mount the Sensor:**
    - **Adhesive Mount:** Clean the mounting surface thoroughly. Remove the backing from the adhesive strips on the sensor and firmly press the sensor onto the desired location for 30 seconds.
    - **Screw Mount:** If preferred, use the included screws to secure the sensor to the wall or ceiling. Ensure the sensor is securely fastened.
4. **Test the Sensor:** After installation, perform a test to ensure proper functionality. Refer to the 'Troubleshooting' section for testing instructions.



Figure 4.1: Example of optimal sensor placement within a room to cover multiple windows.



Figure 4.2: The sensor can be discreetly placed on a shelf or mounted to a wall.

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Video 4.1: Official SimpliSafe overview of the Glassbreak Sensor, demonstrating its features and ease of installation.

5. Operation

Once installed and paired, the SimpliSafe Glassbreak Sensor continuously monitors for the specific sound frequencies associated with breaking glass. When such an event is detected within its 20-foot range, the sensor immediately triggers an alarm on your SimpliSafe system. This action will initiate your system's alarm protocol, which may include sounding the siren and dispatching alerts to your monitoring center (if subscribed to a professional monitoring plan) and to your SimpliSafe mobile app.

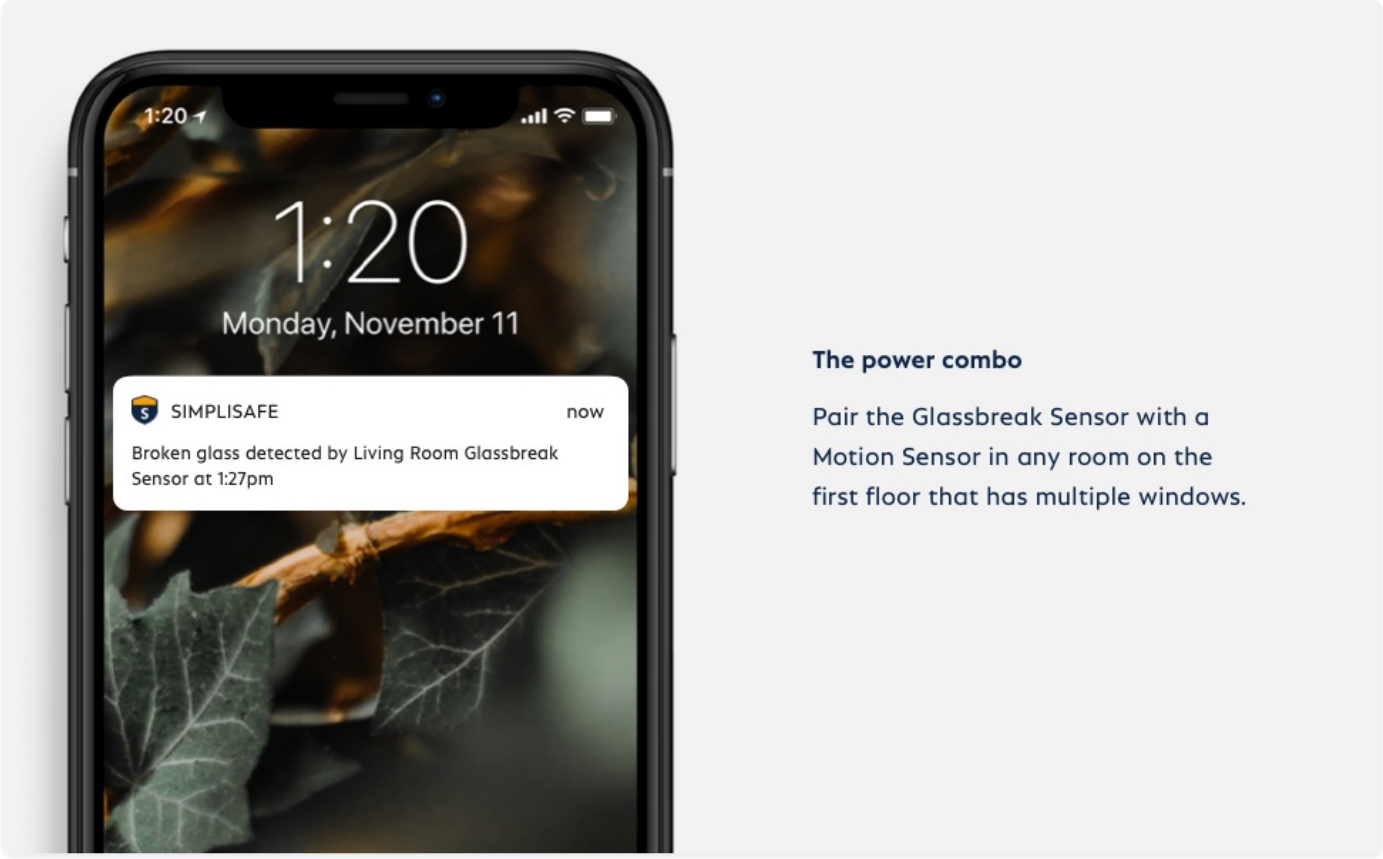

Figure 5.1: An example of a glass break notification received on the SimpliSafe mobile app.

6. Maintenance

Battery Replacement

The Glassbreak Sensor is powered by one CR123A Lithium 3V battery, which has an average life of 4 years. Your SimpliSafe system will notify you when the battery is low.

1. **Disarm System:** Ensure your SimpliSafe system is disarmed before replacing the battery.
2. **Remove Sensor:** Gently twist or slide the sensor off its mounting bracket or peel it from the adhesive surface.
3. **Open Battery Compartment:** Locate the battery compartment cover on the back of the sensor and open it.
4. **Replace Battery:** Remove the old CR123A battery and insert a new one, ensuring correct polarity (+/-).
5. **Close Compartment:** Securely close the battery compartment cover.
6. **Re-mount Sensor:** Reattach the sensor to its original mounting location.

7. Troubleshooting

Sensor Not Responding

- **Check Battery:** Ensure the battery is correctly installed and not depleted. Replace if necessary.
- **System Connection:** Verify the sensor is still paired with your SimpliSafe system via the mobile app or Keypad. If

not, try re-pairing it.

- **Range:** Ensure the sensor is within range of your SimpliSafe Base Station.

False Alarms

- **Placement:** Ensure the sensor is not too close to sources of loud, sharp noises that could mimic glass breaking (e.g., loud music, construction noise).
- **Sensitivity:** If false alarms persist, contact SimpliSafe support for guidance on potential sensitivity adjustments or alternative placement.

Testing the Sensor

To test your Glassbreak Sensor, put your SimpliSafe system into 'Test Mode' via the Keypad or mobile app. Then, clap your hands sharply near the sensor. The sensor should register the sound, and your system should indicate a successful test. For a more accurate test, you can gently tap a glass pane with a metal object (do not strike hard enough to break the glass) or use a glass break simulator tool.

8. Specifications

Model Number	GBK301
Detection Range	Up to 20 feet (6 meters)
Power Source	1 x CR123A Lithium 3V Battery (included)
Battery Life (Average)	4 years
Dimensions (D x W x H)	2.13" x 1.6" x 2.13" (5.4 cm x 4.1 cm x 5.4 cm)
Weight	2.24 ounces (63.5 grams)
Mounting Type	Wall Mount (Adhesive or Screws)
Operating Temperature	60°F (15.5°C) - (Note: This seems to be a minimum, typical range is wider)
Compatibility	SimpliSafe Gen 3 Home Security System

9. Warranty and Support

Manufacturer's Warranty

The SimpliSafe Glassbreak Sensor comes with a 1-year manufacturer's warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For full details and terms, please refer to the warranty information provided with your SimpliSafe system or visit the official SimpliSafe website.

Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact SimpliSafe Customer Support:

- **Website:** Visit simplisafe.com/support
- **Phone:** Refer to the contact information provided on the SimpliSafe website or in your system's documentation.

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