Introducing GB-502 PG2

GB-502 PG2 is a wireless PowerG Two-Way Acoustic Glass-break Detector designed to detect the breaking of framed glass mounted in an outside wall. This detector is broad band mountable and suitable for use in all types of window/door glass, plate, tempered, laminated, wired, coated and sealed insulating glass. No adjustment is necessary during installation – the detector is fully pre-calibrated.

The coverage range also depends on the angle between the detector and the glass – for a higher angle, the maximum range is reduced.


Contact info@visonic.com to request the complete version of the installation guide.

1. Inserting the Battery

1. Press the snap in and separate the cover from the base.
2. Insert the battery into the battery cups.

2. Handling Polarity!

3. Enrolling of the Device


4. Testing the Sensor to the Test Mode

3. Mounting the Device

After powering up the cover, the detector will automatically enter a 15 minute learning phase for remote detection of the test mode (via User or Installer Code), refer to the PowerMaster Installer Guide, Chapter 6, Periodic Testing.

5. Installation Tips

A. Basic Test

1. Insert the battery into the battery clips.

Training of the GB-502 PG2 detects the shattering of framed glass mounted in an outside wall. Testing the sensor with unframed glass, broken bottles, etc. might not trigger the sensor. Fake alarms such as breaking glass in the middle of a room without activating the sensor.

2. Fake alarms are most likely to occur when installed on a 24-hour loop, in glass skylights, and glass vestibule areas. Similarly, when mounted above stairways, resident garages, and in other small acoustic rooms, false alarms can be generated. In rooms where multiple sounds can reflect and eventually duplicate the glass break frequency pattern, shock sensors.

6. Installation Instructions

Installing the GB-502 PG2 on 24 hour loops will generate false alarms. Against a special breakaway base segment that is loosely connected to the base. Be sure to fasten, using screw C, the breakaway segment to the wall. The breakaway segment will be removed to avoid the breakaway base segment from the causing the detector switch to open!

2. Fasten the breakaway segment to the wall.

3. Push the base cover on the base and secure with screw.

For mounting the device with a bracket, refer to the BR-1, BR-2, BR-3 Installation Instructions.

5. Testing Procedures

1. The GB-502 PG2 detects the shattered of framed glass mounted in an outside wall. Testing the sensor with unframed glass, broken bottles, etc. might not trigger the sensor. Fake alarms such as breaking glass in the middle of a room without activating the sensor.

6. LED Indications and Events

- Red LED blinks: Stabilization (warm-up 8 sec)
- Green LED blinks: Glass alarm
- Green LED on 2 sec: Tamper open/ close
- Green LED on 2 sec: Glass break alarm
- Green LED on 2 sec: Low frequency detection – Test mode
- Green and red LED blink alternately: Self-test failure – Test mode
- Green and red LED blink alternately: Normal mode

7. Event Indications

- LED Indications and Events

8. Compliance With Standards

- The GB-502 PG2 complies with the following standards: EN50202, EN1049, EN50034-10, EN9605, EN50151-2-1, EN50113-1-2 Class II

This device complies with the essential requirements and provisions of Directive 1999/5/EC of the European Parliament and of the Council of 9 March 1999 on radio and television ter-

9. Abbreviated Installation Instructions

USA: UL609 Canada: UL-C-5306

10. Warranty

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11. Local Diagnostics Test

Before testing, separate the base from the cover.

12. Local Diagnostics Test

The following table indicates the received signal strength.

<table>
<thead>
<tr>
<th>LED Response</th>
<th>Reception</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red LED blinks</td>
<td>Strong</td>
</tr>
<tr>
<td>Green LED blinks</td>
<td>Good</td>
</tr>
<tr>
<td>Orange LED blinks</td>
<td>Poor</td>
</tr>
</tbody>
</table>

13. Null diagnostics test

Note: For Detailed Diagnostic Test Instructions refer to the control panel Installer Guide.
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