Connect Battery
Remove pull tab to connect battery.

Select Mounting Location
For the best detector performance, select a mounting location that:
• within 7.6 m (25 feet) of the protected glass;
• within clear view of the protected glass;
• at least 2 m (6.5 feet) from the floor;
• at least 1 m (3.3 feet) from forced air ducts;
• at least 1 m (3.3 feet) from sirens or bells greater than 5 cm (2 inches) in diameter.
• between the protected glass and any heavy window coverings that may be present.
Alternatively, when heavy window coverings are present, the detector can be mounted on the frame of the window.
Avoid mounting the detector on the same wall as the protected glass, on free-standing posts or pillars, or in rooms with noisy equipment (air compressors, bells, power tools, etc.), if this equipment is operated when the detector is armed.

Mount Detector
• Use mounting holes as a template to mark mounting locations on ceiling or wall.
• If using the optional back tamper, remove the battery, then mark the wall tamper location through its mounting hole.
• Mount detector using appropriate hardware.
NOTE: A screw capture feature designed to make ceiling mounting easier will cause some resistance when inserting the screw into the plastic.
• Close detector cover when finished.

Set Sensitivity (Range)
SENS1 & SENS2 configure sensitivity

<table>
<thead>
<tr>
<th>SENSITIVITY</th>
<th>APPROXIMATE RANGE</th>
<th>SENS1</th>
<th>SENS2</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX</td>
<td>7.6m (25 ft)</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>MEDIUM</td>
<td>4.6m (15 ft)</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>LOW</td>
<td>3.0m (10 ft)</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>LOWEST</td>
<td>1.5m (5 ft)</td>
<td>ON</td>
<td>ON</td>
</tr>
</tbody>
</table>

NOTE: Ranges are approximate and vary with each room's acoustic properties. Always verify range with a FlexGuard FG-701 Glassbreak Simulator.

Enroll Detector
Refer to text and control panel's installation instructions.
When programming the transmitter, specify:
• Input Type = 3 (Supervised RF)
• Loop Number = 1

Test Detector Installation
Enter Test Mode using a FlexGuard FG-701 Glassbreak Simulator (see Testing the Detector on the next page). To enter Test Mode manually, short the Test Mode pads (as shown below).

Install Cover Screw (optional)

*The screw retention feature simplifies installation: A rib in the screw cavity lightly holds the screw in place when installing the detector.
1. General Information

The 5853 Wireless Glassbreak Detector with Transmitter is an indoor-mounted, battery-powered device designed to detect the sound of breaking glass. It has tamper switches, a microphone, and a transducer to receive audio signals. The detector is both UL and ULC listed.

2. Connecting Battery/Initial Power Up

To connect the battery, remove the tab from the back of the detector. This will power up the detector.

3. Adjusting Detector Sensitivity (Range)

The 5853 has four sensitivity settings, which are set using the SENS1 and SENS2 dip switches. The settings are:

- 1: maximum
- 2: medium
- 3: low
- 4: lowest

To change the detector's sensitivity, use a small screwdriver to adjust the SENS1 and SENS2 switches, as shown in the table below:

<table>
<thead>
<tr>
<th>Range</th>
<th>SENS1</th>
<th>SENS2</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>MEDIUM</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>LOW</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>LOWEST</td>
<td>OFF</td>
<td>OFF</td>
</tr>
</tbody>
</table>

4. Enrolling Detector Into 5800-Series Receiver

Before the control panel will recognize the 5853, you must enroll the detector's serial number into the control panel. This process, called “enrolling,” is described in detail in the control panel's installation instructions.

When programming the transmitter, specify:

- Type 3 (Supervised RF)
- Loop Number = 1

You can transmit the device's serial number automatically or enter it manually. To transmit the number automatically, momentarily activate the front tamper switch. To enter the serial number manually, refer to the control panel's instructions to enroll the serial ID number which appears on the product.

5. Selecting Installation Location

The 5853 can be mounted on the ceiling or the wall. Choose a mounting location that is at least 2.1m (7 feet) from floor and no more than 7.6m (25 feet) from the protected glass.

6. Mounting the Detector

**NOTE:** Choose a mounting location that is at least 2.1m (7 feet) from the floor and no more than 7.6m (25 feet) from the protected glass.

7. Testing the Detector

The detector should be tested at least once each year. Test the detector with the FlexGuard FG-701 Glassbreak Simulator. This stimulator will not give accurate indication of range.

**To enter the Test Mode with the FG-701:**

1. Stand within 6.15m (15 feet) of the detector.
2. Switch the FG-701 to ACTIVATE and press the test button.
3. Point the front [speaker] of the glassbreak simulator towards the detector and press the red START button. The simulator buzzes a short activation code.

When the detector enters Test Mode, the green LED on the detector flashes approximately once per second to indicate that it has entered the test mode.

8. Specifying Power

**Power:** One 3V battery (CR-123A or equivalent)

**Battery Life:** The detector should be tested at least once each year.

9. Cover Screw

The front cover can be secured after installation. To do so, remove the cover breakout flash (illustration on next page) and secure the front cover with a 6 mm (¼ in.) 2.9 mm (#4) screw.

10. Testing the Detector

To ensure proper power down sequence, wait a minimum of 20 seconds before installing the detector.

Before the control panel will recognize the 5853, you must enroll the detector's serial number into the control panel. This process, called “enrolling,” is described in detail in the control panel's installation instructions.

When programming the transmitter, specify:

- Type 3 (Supervised RF)
- Loop Number = 1

You can transmit the device's serial number automatically or enter it manually. To transmit the number automatically, momentarily activate the front tamper switch. To enter the serial number manually, refer to the control panel's instructions to enroll the serial ID number which appears on the product.

When programming the transmitter, specify:

- Type 3 (Supervised RF)
- Loop Number = 1

You can transmit the device's serial number automatically or enter it manually. To transmit the number automatically, momentarily activate the front tamper switch. To enter the serial number manually, refer to the control panel's instructions to enroll the serial ID number which appears on the product.

When programming the transmitter, specify:

- Type 3 (Supervised RF)
- Loop Number = 1

You can transmit the device's serial number automatically or enter it manually. To transmit the number automatically, momentarily activate the front tamper switch. To enter the serial number manually, refer to the control panel's instructions to enroll the serial ID number which appears on the product. The installer should inform the end user that fans, air conditioners, blowers, loudspeakers, or other sources of vibration and sound should not be introduced into the protected area after installation of glassbreak detectors. If unavoidable, the equipment should be installed by a professional service company to re-adjust/re-test the equipment as needed. Additionally, this device should not be relocated without the advice or assistance of the alarm service company.

11. Glass Break Chart

**NOTE:** The FG-701 is not recommended for protection of glass areas smaller than 27.8 cm x 27.8 cm (10 7/8 inches x 10 7/8 inches).

<table>
<thead>
<tr>
<th>Glass Break Chart</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass Break Chart Type</td>
</tr>
<tr>
<td>Glass Break Chart Minimum</td>
</tr>
<tr>
<td>Glass Break Chart Maximum</td>
</tr>
<tr>
<td>Glass Break Chart Nominal Thickness</td>
</tr>
</tbody>
</table>

* Minimum size for all types is 27.8 cm x 27.8 cm; glass must be framed in the wall or mounted in a barrier at least 0.9m (36 in.) wide.

1. Protected only if both plates in the unit are broken.
2. Coated glass with security films up to 0.35mm (14 in) thick (including film for safety protection) may be tested. Evaluated with the following products: 3M™ SCOTCHSHIELD™ SH 404/4041-0.354mm (14 in), 3M™. Film Technology International; Shurguard 9200 Therma-LITE SH 4041-0.354mm (14 in) tested with this product by Underwriters Laboratories, Inc.
3. In compliance with Underwriters Laboratories of Canada’s Standard for Intruder Detection Units (CUL-LISC-0306-M70).
4. Plate glass 3mm (1/8 in) or greater may be used.
5. UL recognizes a maximum for protecting sealed insulation glasses. 1.5mm (1/16 in) and coated glass of 2.5mm (12.5%); type of glass should be used to Max.

12. Specifications

**Power:** One 3V battery (CR-123A or equivalent)

**Supply Voltage:** 3V (3.3m to 10.5m)

**Alarm Frequency:** 125 Hz (4.056-7.000 kHz)

**Alarm Level:** 2.9mW (1.1mW)

**Weight:** 125g (4.41 oz).

**Accessories:** FlexGuard FG-701 Glassbreak Simulator

**Compliance:** FCC and IC Verified

**UL, LISTED, ULC, LISTED, C-Tick**

13. NOTICES

**FCC/IC STATEMENT**

This device complies with Part 15 of the FCC Rules and RS-220 of Industry Canada. Operation of this device is subject to the following conditions: (1) This device may not cause interference, and (2) This device must accept any interference which may cause undesired operation.

**CE Marking**


**WARRANTY**

This product is covered by the Honeywell warranty. To obtain service under warranty, please contact your dealer or service company.

**FEDERAL COMMUNICATIONS COMMISSION**

FCC part 15 rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

**PRODUCT LIMITATIONS**

This product is intended for indoor use and shall not be used or installed outdoor.

**PRIVACY STATEMENTS**

Honeywell has not received notice of, and is not aware of, any specific legal requirements in this country that are applicable to this equipment.

**FEDERAL COMMUNICATIONS COMMISSION**

The installer should ensure the user understands the importance of having the system installed and maintained by a professional.

**TO THE INSTALLER**

This device complies with Part 15 of the FCC Rules and RS-220 of Industry Canada. Operation of this device is subject to the following conditions: (1) This device may not cause interference, and (2) This device must accept any interference which may cause undesired operation.

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