

GLASS BREAK DETECTOR

INSTALL INSTRUCTIONS

The Glass Break Detector is a fully supervised, tamper-protected, ceiling or wall-mounted unit with 15 feet maximum detection range, 360° maximum horizontal sensing angle, and dual-stage glass break detection.

Box Contents

- Mounting base
- Sensor
- 2 Lithium batteries
- 3 Phillips head screws
- 3 Wall anchors (plastic)

Programming

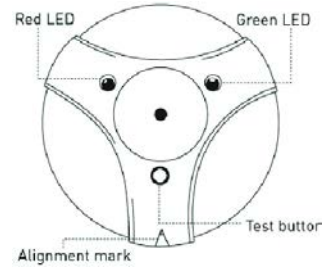
The following steps describe general guidelines for programming (learning) the Glass Break Detector into the Control Panel. Scroll between options using the ← and → arrows. Move to the previous or next prompt by pressing the ↑ and ↓ arrows.

- 1 Select RF sensor # (01 to 48). Assign the Glass Break Detector to a new zone.
- 2 Select RF sensor type:
(03) glass break
- 3 Select RF sensor equipment code. Enter 5853 for the Glass Break Detector.
- 4 Select RF equipment type.
(1) contact
- 5 Enter RF sensor serial number (7 digits).
Manual Entry: Type in the last 7 digits of the TX ID that is found outside of the box or on the back of the device.
Auto Entry: With the panel in Learn-in mode, (press **Shift** then **Learn**) press the tamper switch. The correct TX ID should appear. Accept the correct TX ID by pressing **ok**.
Remember to press the ↓ arrow to continue going through the system configuration prompts.
- 6 Select RF sensor equipment age (0 to 1).
(0) new (product is new)
(1) existing (product already exists)
- 7 Select RF sensor loop number (1 to 3).
- 8 Select RF Sensor dialer delay (0 to 1)
(0) disabled
- 9 Construct RF sensor voice descriptor. Press **Insert** then press any number between 002 and 255 to add a word. Repeat this for each word. For example, if you want to name this Glass Break Detector as the “master bedroom,” press **Insert** then press **140** for **master**. Press **Insert** then press **024** for **bedroom**.
- 10 Select RF sensor reports (0 to 1).
(0) disabled (Glass Break Detector does NOT report to central station)
(1) enabled (Glass Break Detector reports to central station)
- 11 Select RF sensor supervised (0 to 1)
(0) disabled (detector does not report loss of supervision/low battery)
(1) enabled (detector reports loss of supervision/low battery)
- 12 Select RF sensor chime (0 to 13).
(0) disabled (panel will NOT chime when Glass Break Detector is activated)
(1-13) enabled (selects a voice and chime to sound on the panel when the Glass Break Detector is activated)
- 13 To program another sensor click **next**.
- 14 To exit programming, click **skip** then **end** and **exit**. Upon exit, the panel takes several seconds to reboot.

Testing

Walk Test

- 1 Push the test button for 2 seconds and then release it. The red LED appears while the button is pressed.
- 2 The green LED will blink once to indicate that the unit is in auto test mode for 90 seconds.
- 3 Activate a glass break simulator in the area of the window or windows that you are attempting to protect with the glass break detector. The Glass Break Detector should first acknowledge the detection of a thud sound by illuminating the green LED and then illuminate the red LED when the unit detects the crash portion of the glass breaking sound.



RF Test

- Push and hold the test button for 5 seconds and then release it. The red LED appears while the button is pressed. The green LED will blink twice to indicate that the unit is in RF test mode for 90 seconds.

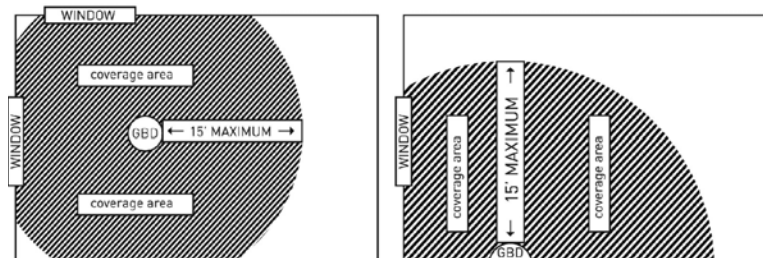
NOTE: Perform a system test (per the User Guide) at least once a year.

Glass Type/Thickness

Minimum size for all glass types is 11" x 11" (28cm x 28cm) square; glass must be framed in the wall of the room or mounted in a barrier of 36" (.9 m).

Type	Minimum to Maximum Thickness
Plate	1/8 in. to 1/4 in. (3.2 mm to 6.4 mm)
Tempered	1/8 in. to 1/4 in. (3.2 mm to 6.4 mm)
Sealed Insulating†	1/8 in. to 1/4 in. (3.2 mm to 6.4 mm)

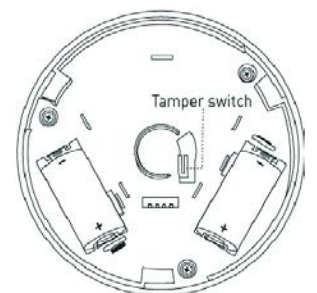
† Sealed insulating glass types are protected only if both plates of glass are broken.



TIP: When wall mounted, the Glass Break Detector is designed to provide coverage on the opposite or adjacent windows and not on windows on the same wall as the Glass Break Detector.

Installation

- 1 Hold the 2GIG-GB1-345 Glass Break Detector unit upside down and twist the base counter clockwise to remove it.
- 2 Install recommended batteries making sure to observe the correct polarity.
- 3 Wait 5 seconds for the power up delay.
- 4 Enter the programming mode for a wireless device on the 2GIG alarm control panel.
- 5 Learn the Glass Break Detector into the Control Panel by pressing and holding the *tamper switch* for 2 seconds.



Mounting

- 1 Place the Glass Break Detector base on the opposite wall or adjacent wall to the window being protected.
- 2 Affix the base to the desired location utilizing the 3 long mounting screws with anchors that are supplied.

TIP: For wall mounting the test button should be oriented down nearest the floor.

IMPORTANT: When attaching the detector to the base, match the alignment marks and twist clockwise. If batteries are not present, the red tabs must be held away from the detector.

Inserting and Replacing Batteries

If a supervised Glass Break Detector battery is low, a low battery notification is indicated on the Control Panel's touch screen. If indicated, replace the battery immediately. Use *only* the recommended replacement batteries (See Specifications).

- Remove the cover by twisting counterclockwise. Use only the recommended replacement batteries (see Specifications).

WARNING: Improper handling of lithium batteries may result in heat generation, explosion or fire, resulting in personal injuries. Replace only with the same or equivalent type of battery as recommended by the manufacturer (see Specifications).

Batteries must not be recharged, disassembled or disposed of in fire. Disposal of used batteries must be made in accordance with the waste recovery and recycling regulations in your area. **Keep Away From Small Children.** If batteries are swallowed, promptly seek medical attention.

California Only: This Perchlorate warning applies only to Manganese Dioxide Lithium cells sold or distributed ONLY in /California, U.S.A. Perchlorate Material-special handling may apply. See dtsc.ca.gov/hazardouswaste/perchlorate.

Specifications

Wireless Signal Range	350 ft, open air, with 2GIG Wireless Control Panel
Code Outputs	Alarm; Alarm Restore; Supervisory; Low Battery
Transmitter Frequency	345.000 MHz (crystal controlled)
Transmitter Frequency Tolerance	±15kHz
Transmitter Bandwidth	24kHz
Modulation Type	Amplitude Shift Keying-On/Off Keying (ASK-OOK)
Unique ID Codes	Over one million different code combinations
Supervisory Interval	70 minutes
External Input Sampling Current	20 uA
External Input	24V AC Standard doorbell circuit
Sensor Dimensions (HxD)	2.75 x 1.17 x 0.63 in. (6.98 x 2.97x 1.60 cm)
Weight (including battery and magnet)	1.1 oz. (31.2 g)
Housing Material	ABS plastic
Color	White
Operating Temperature Limits	14° to 104° F (-10° to 40° C)
Relative Humidity	5-95% Non-Condensing
Battery (installed with pull tab)	One Panasonic CR2032 or equivalent Lithium batteries
Included Accessories	Four Phillips flat-head screws

FCC and Industry Canada Regulatory Information

This device complies with Part 15 of the FCC's Rules. Operation is subject to the following two conditions:

- 1 This device may not cause harmful interference, and
- 2 This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC 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:

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

This product complies with FCC radiation exposure limits for an uncontrolled environment. Avoid operating this product at a distance less than 20 cm from the user.

WARNING: Any changed or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Limited Warranty

This 2GIG Technologies product is warranted against defects in material and workmanship for 1 year. This warranty extends only to wholesale customers who buy direct from 2GIG Technologies or through 2GIG Technologies' normal distribution channels. 2GIG Technologies does not warrant this product to consumers. Consumers should inquire from their selling dealer as to the nature of the dealer's warranty, if any.

There are no obligations or liabilities on the part of 2GIG Technologies for consequential damages arising out of or in connection with use or performance of this product or other indirect damages with respect to loss of property, revenue, or profit, or cost of removal, installation, or reinstallation. All implied warranties for functionality, are valid only until the warranty expires. This 2GIG Technologies Warranty is in lieu of all other warranties expressed or implied.

For technical support in the USA and Canada

855-2GIG-TECH (855-244-4832)

For technical support outside of the USA and Canada

Contact your regional distributor
Visit 2gig.com for a list of distributors in your region

PN 77-000004-001 Rev F

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