PRINT INSTRUCTIONS FOR REFERENCE SHEET FOR: VS-GB3-345 —
DOCUMENT P/N: 77-600048-001 REV 1.1 | **ISSUE DATE:** NOV. 2023 |
INK: BLACK | **MATERIAL:** 20 LB MEAD BOND | **SIZE:** 8.50" X 11.00" SCALE 1:1 |
FOLDS: BI-FOLD VERTICAL, BI-FOLD HORIZONTAL (TO FIT IN BOX)

Glass Break Sensor

(VS-GB3-345)

Quick Reference

4931 N 300 W Provo, UT 84604

The Vivint Glass Break Sensor (GB3) uses dual-stage glass break detection technology to notify the Vivint control panel when protected glass in the home is broken.

(Note: The sensor will notify the panel *when* the system is Armed in either Stay or Away mode.)

The Glass Break Sensor features three levels of adjustable sensitivity that allows the detector to reduce false alarms without compromising window protection. On the highest sensitivity setting, the GB3 can detect glass breaking up to 20 feet (6.1 m) away.

The Glass Break Sensor provides omni-directional coverage and is specifically designed for areas with multiple windows.

Additionally, the GB3 sensor includes a tamper-proof switch, and can be mounted on the ceiling or wall.

Programming Instructions

The GB3 offers three levels of sensitivity so that the device can be adjusted to function optimally in the environment in which it is installed (see the Coverage Area Diagram below).

- **High (H):** The high sensitivity setting has a maximum range of up to 20 feet (6.1 m) and should be used when distance is the priority. When set to high, the GB3 should not be installed in a noisy environment.
- **Medium (M):** The medium sensitivity setting (default) has a range of up to 10 feet (3 m).
- **Low (L):** The low sensitivity setting has a range of up to 5 feet (1.5 m).

Installation Instructions

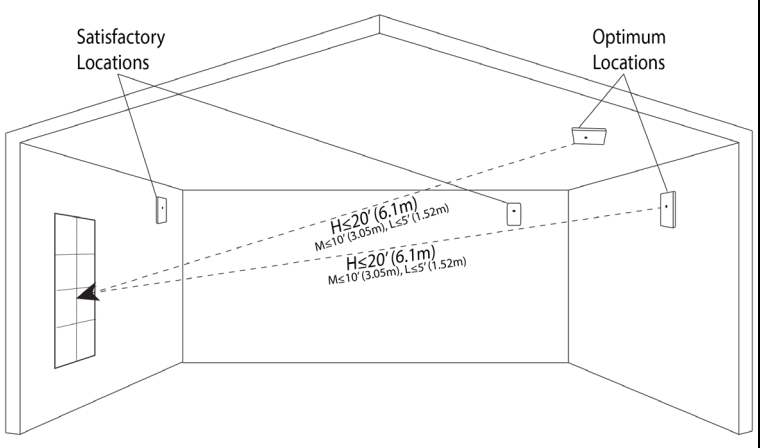
To install the Glass Break Sensor, follow these steps:

1. Remove the back plate and use screws to secure it into the desired location (wall or ceiling). When installed on a wall, the GB3 should be installed 7.5 feet (2.3 m) above the ground.
2. Insert the batteries into the back plate and mount the GB3 on to the back plate.
3. Be sure to test the device to ensure it is functioning properly and is within range.

INSTALLATION TIPS:

- The GB3 should not be installed where false alarms are likely to occur due to ambient noise (e.g., kitchen or near speakers).
- Each home is different, and these environmental differences can affect the range of the device. A very reflective environment (e.g., hard surfaces like tile or wood) will prolong the strength of the sound waves and increase the device's sensitivity. Therefore, the device should be tested with a glass break simulator to ensure the environment will not prevent the GB3 from working properly.
- The size and types of glass will also affect the sound waves.
- Install the GB3 as close as possible to the windows it is intended to protect.
- The effectiveness of the GB3 will be limited if obstacles are blocking the sound waves coming from the window to the device (e.g., blinds or shades). The GB3 will not detect glass breaking through walls.

Coverage Area Diagram



Protected Glass

The Glass Break Sensor has been tested with the following types of glass. The minimum glass size is 12" X 12" (30.5 cm X 30.5 cm) and the glass must be mounted.

Glass Type	Thickness (Minimum and Maximum)
Annealed	3/32" to 1/4" (2.4 mm to 6.4 mm)
Heat Strengthened	1/8" to 1/4" (3.2 mm to 6.4 mm)
Tempered	1/8" to 1/4" (3.2 mm to 6.4 mm)
Insulated*	1/8" to 3/16" (3.2 mm to 4.8 mm)

*Includes annealed, heat strengthened, and tempered dual-pane glass with 3/4" (19.1 mm) overall thickness; with or without low emission solar controlled coatings. Both panes of glass must be broken for glass break

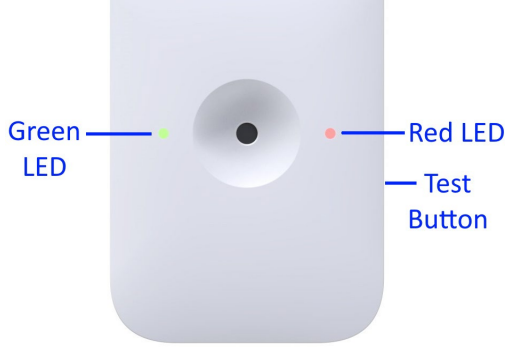
Installer Test

To place the sensor in test mode, press the button on the side for at least two seconds. The red LED will turn on immediately; the green LED will turn on after two seconds indicating the sensor has entered test mode. Upon entering test mode, the GB3 will send a signal to the panel confirming it is operational and within range.

A glass-breaking simulator (such as Honeywell FG-701) can be used to test the dual-stage thud/shatter technology. The thud portion will cause the green LED to illuminate briefly; the shatter portion will cause the red LED to illuminate briefly. A shatter can be detected only after a thud is detected. NOTE: The GB3 will remain in test mode for approximately 90 seconds.

User Test

Hold down the test button for two seconds to transmit a signal to the panel. The red LED will turn on as soon as the button is pressed; the green LED will turn on briefly to indicate sensor test mode.



Technical / Hardware Specifications

Vivint Part Number (P/N)	VS-GB3-345
Model Number (M/N)	GB01
Wireless Signal Range	300 feet (91.4 m), open air
Battery	2 Panasonic CR123A (or equivalent lithium batteries)
Battery Life	3-5 years under normal usage
Transmitter Frequency	345 MHz
Code Outputs	Alarm, Alarm Restore, Tamper, Supervisory, Low Battery
Supervisory Interval	70 minutes per signal (12 hours for panel to report supervision failure)
Recommended Wall Height	7.5 feet (2.3 m)
Maximum Distance	20 feet (6.1 m) on highest sensitivity setting
Operating Temperature Limits	32° to 120°F (0° to 49°C)
Relative Humidity	5-95% Non-Condensing

Standards Certifications and Listings

Conforms to UL 639	*Standard for Intrusion Detection Units*
Certified to ULC/ORD S306	*Standard for Intrusion Detection Units*
FCC ID	2AAAS-GB01
IC	10941A-GB01

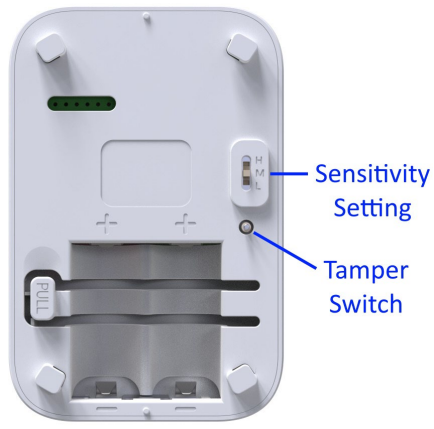
*For complete regulatory compliance information, go to: vivint.com/fcc.

C ETL LISTED US
Intertek
5021666

Battery Installation

To install or replace the battery (whenever a low battery alert has been received):

1. Press down on the top latch of the GB3 sensor to release the front panel.
2. Pull the top of the unit off the back plate first, followed by the bottom.
3. Remove the old batteries and replace with Panasonic CR123A or equivalent.
4. Ensure correct orientation is observed while inserting the new batteries.
5. Replace the cover by inserting the bottom first and rotating the top into place.
6. Verify the sensor is functioning properly.



WARNING! The polarity of the battery must be observed (as shown in the image). Improper handling of lithium batteries may result in heat generation, explosion, or fire, which may lead to personal injury. Replace with the same or equivalent battery type as recommended by the manufacturer.

AVERTISSEMENT! La polarité de la batterie doit être observée (comme indiqué dans l'image). Une mauvaise manipulation des piles au lithium peut conduire à la production de chaleur, une explosion ou un incendie, ce qui peut entraîner des blessures. Remplacez-le par le même type ou équivalent de la batterie tel que recommandé par le fabricant.

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 see a doctor.

California Only: Perchlorate material special handling may apply.

(For information, visit: www.dtsc.ca.gov/hazardouswaste/perchlorate)

Wireless Product Notice

Wireless communications hardware provides reliable communication; however, there are some limitations which must be observed.

- The transmitters are required to comply with all applicable wireless rules and regulations. As such, they have limited transmitter power and limited range.
- Wireless signals may be blocked by radio signals that occur on or near the wireless operating frequencies.

FCC and ISED Canada Regulatory Compliance Declarations*

CAUTION! Unauthorized changes or modifications could void the user's authority to operate the equipment.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules and Industry Canada license-exempt RSS standard(s). 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 of the device.

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 the 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/television technician for help.

PRUDENCE! Changements ou modifications pourraient annuler le droit de l'utilisateur à utiliser l'équipement non autorisées.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles dans une installation résidentielle. Cet équipement génère, utilise et peut émettre une énergie de radiofréquence et, s'il n'est pas installé et utilisé conformément aux instructions, il peut causer des interférences nuisibles aux communications radio. Cependant, il n'existe aucune garantie que des interférences no se produiront pas dans une installation particulière. Si cet équipement provoque des interférences nuisibles à la réception radio ou télévision, ce qui peut être déterminé en mettant l'équipement hors et sous tension, l'utilisateur est encouragé à essayer de corriger l'interférence par une ou plusieurs des mesures suivantes:

- Réorienter ou déplacer l'antenne de réception.
- Augmentez la distance entre l'équipement et le récepteur.
- Connecter l'équipement à une sortie sur un circuit différent de celui sur lequel le récepteur est branché.
- Consulter le revendeur ou un technicien radio / télévision expérimenté pour de l'aide.

 | www.vivint.com | 1-800-216-5232 | Device M/N: GB01 | Doc P/N: 77-600048-001 Rev. 1.1