

Wireless
VITRON™
Wireless Glassbreak Detector
Model: RWT6G

EN

Installation instructions



EN

1 General Description

The Wireless VITRON is an advanced microprocessor based Acoustic Glass Break detector. The Wireless VITRON detects the breaking of most common types of framed glass panes while ignoring false alarms.

2 Installation Procedure

Note: To improve detection, It is highly recommended to use a swivel adaptor, especially for ceiling and wall installations.

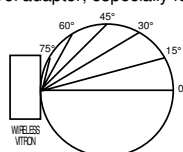


Fig 1: Percentage of Maximum Range as a function of angle between Wireless VITRON and glass.

Verify that the distance between the Wireless VITRON and the furthest point on the protected glass does not exceed the maximum specified range taking into account the reduced range due to angle (see Fig 2).

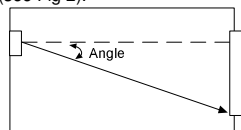


Fig 2: Angle between Wireless VITRON and glass

Other factors affecting range:

- There should be no obstructions between the Wireless VITRON and the protected glass.
- Curtains and blinds may reduce the effective range.
- Sound absorbing materials in the protected area may reduce the range.

3 Mounting Location

For optimal performance the Wireless VITRON should be mounted as nearly opposite to the glass area to be protected, as shown in Fig 3. Attach the Glassbreak detector to the surface using the adhesive strips.

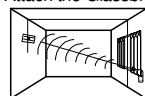


Fig. 3

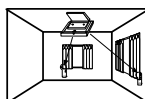


Fig. 4

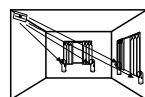


Fig. 5

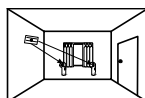


Fig. 6

- **Opposite Wall –Mounted** (For optimal results, Wireless VITRON is centered opposite glass, see Fig. 3).

- **Ceiling Mounted** (for optimal results Wireless VITRON is centered and directed towards protected glass, using the supplied swivel adaptor, see fig. 4)

- **Corner Mounted** (choose corner opposite glass to be protected see fig. 5)

- **Side wall – mounted** not recommended due to the fact that the Wireless VITRON is not opposite the glass - see range versus angle diagram (Fig 2).

Notes:

Do not mount Wireless VITRON on same wall as the protected glass.
Avoid installing the Wireless VITRON near sources of loud noise or vibrations (air conditioners, fans, compressors, stereos, etc).
Avoid defining the Wireless VITRON as a 24 hour zone
The Wireless VITRON should always be installed in addition to standard motion detectors

4 Mounting

Use the two-sided adhesive tape to attach the detector to the surface.

5 Swivel Mounting

When installing the Wireless VITRON with the supplied swivel mounting adaptor, maximum installation flexibility and performance is achieved.

To install the swivel mounting adaptor perform the following:

1. Remove the PCB from the Wireless VITRON back plate
2. Open the swivel mounting adaptor knockouts (4, Fig 7).
3. Attach the swivel mounting adaptor to the back plate using the two supplied screws (1, Fig

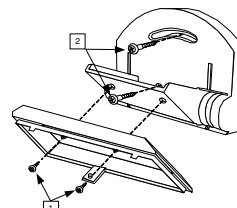


Fig. 8

- 8).
4. Mount the Wireless VITRON on the required location (wall or ceiling) using the supplied screws (2, Fig 8). Do not tighten the screws.
5. Adjust the detector so it will face the protected glass.
6. Tighten the bolts to the final torque.

6 Quick Device Allocation at the Control Panel

The Glassbreak detector is automatically programmed to your control panel during the on-line installation wizard setup. If you later purchase an extra detector you can enroll it as follows:

To quickly allocate the detector at the control panel:

If the control panel is not already in Learn mode, press the button on the control panel for 5 seconds; the unit beeps once as it enters Learn mode (all the LEDs also light up, one after the other).

Remove the plastic wrapping from the batteries before installation and make sure the cover is removed so the internal tamper switch is accessible.

Send a signal transmission from the detector by pressing the tamper button for at least 2 seconds; the control panel beeps once to accept or beeps three times to reject. Once accepted, the system announces the device type and its zone (for example, "Detector, zone 1").

When the detectors have been enrolled, short-press the control panel button to exit Learn mode; the unit beeps once and the LEDs stop flashing.

Note: For future use, it is recommended to write down the detector description, zone number, and installation location of each allocated detector.

7 Jumpers settings

Please do not change the jumper settings.

8 Technical Specifications

Electrical	
Current consumption (standby)	22 uA at 3 VDC, without acoustic signal
Current consumption (Alarm transmission)	10 mA at 3 VDC (Max. with LED OFF)
	15 mA at 3 VDC (Max. with LED ON)
Battery life	3 years, at 65 minutes supervision
Range (loss)	300m (1000 feet)
Voltage requirements	CR123A 3VDC Lithium Batteries
Frequency	915MHz
Physical	
Size (LxWxD)	87 x 50.7 x 28.6 mm (3.4 x 2.0 x 1.1 in.)
Environmental	
Operating/Storage temperature	0°C to 50°C (-32°F to 122°F)
* Specifications are subject to change without prior notice	

Note: The detector contains a swivel.



RISCO Group Limited Warranty

RISCO Group and its subsidiaries and affiliates ("Seller") warrants its products to be free from defects in materials and workmanship under normal use for 24 months from the date of production. Because Seller does not install or connect the product and because the product may be used in conjunction with products not manufactured by the Seller, Seller can not guarantee the performance of the security system which uses this product. Sellers' obligation and liability under this warranty is expressly limited to repairing and replacing, at Sellers option, within a reasonable time after the date of delivery, any product not meeting the specifications. Seller makes no other warranty, expressed or implied, and makes no warranty of merchantability or of fitness for any particular purpose. In no case shall seller be liable for any consequential or incidental damages for breach of this or any other warranty, expressed or implied, or upon any other basis of liability whatsoever. Sellers obligation under this warranty shall not include any transportation charges or costs of installation or any liability for direct, indirect, or not be compromised or circumvented; that the product will prevent any persons injury or property loss by intruder, robbery, fire or otherwise; or that the product will in all cases provide adequate warning or protection. Buyer understands that a properly installed and maintained alarm may only reduce the risk of intruder, robbery or fire without warning, but is not insurance or a guaranty that such will not occur or that there will be no personal injury or property loss as a result. Consequently seller shall have no liability for any personal injury, property damage or loss based on a claim that the product fails to give warning. However, if seller is held liable, whether directly or indirectly, for any loss or damage arising from under this limited warranty or otherwise, regardless of cause or origin, sellers maximum liability shall not exceed the purchase price of the product, which shall be complete and exclusive remedy against seller. No employee or representative of Seller is authorized to change this warranty in any way or grant any other warranty.

WARNING: This product should be tested at least once a week.

CAUTION: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to local regulations.

FCC ID: JE4RWT6G915

This device complies with part 15 of the FCC 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

Changes or modifications to this equipment which are not expressly approved by the party responsible for compliance (RISCO Group's.) could void the user's authority to operate the equipment.

FCC Note

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 on and off, 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 different circuit from that to which the receiver is connected.
- ✦ Consult the dealer or an experienced radio/TV technician for help.