SMART HOME MONITORING

Glass Break Sensor

Manufacturer's Installation Guide

ROGERS™

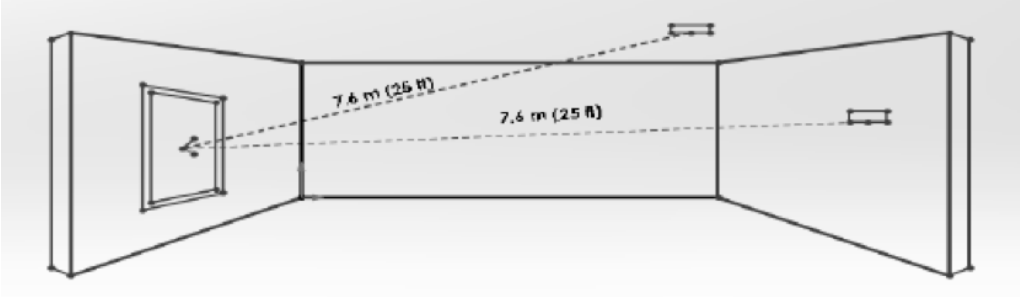
The Glass Break Sensor provides excellent acoustic sensing by listening to actual patterns of breaking glass across the full audio band while providing immunity to false alarms. This guide has all the information to get your Glass Break Sensor up and running.

Before you Begin:
Please pair the sensor with your system before installing the device by following the pairing instructions in rogers.com/install.

1 Finding a suitable location

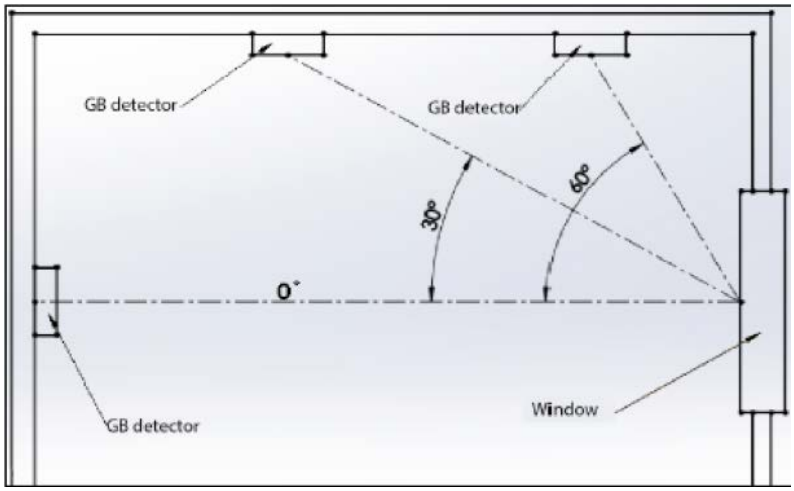
The Glass Break Sensor must always be in direct line of sight of all windows to be protected. The Glass Break Sensor cannot consistently detect glass breaking around corners or in other rooms.

For wall or ceiling mount, minimum range is 1.5m (5ft) and maximum range from the glass is 7.6m (25ft)



The angle between a line vertical to the plane of the glass and the line between the glass and the detector effects the detector sensitivity. As the angle increases, the sensitivity of the detector decreases.

Angle (degrees)	0	30	45	60	75	90
Maximum range m (ft)	7.6 (25)	7 (23)	5.5 (18)	4 (13)	2.5 (8)	0



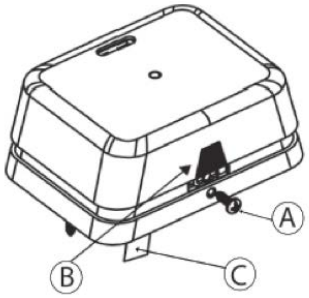
Note: Maximum Distance is 7.6 m (25ft) if glass size is minimum 40 x 40cm (15 ¾" x 15 ¾"). 6 m (20ft) if glass size is between 30 x 30 cm (12" x 12") and 40 x 40 cm (15 ¾" x15 ¾").

Locations to Avoid

- Rooms with lined, insulated, or sound deadening drapes
- Rooms with closed wooden window shutters
- The same wall as the protected glass
- Locations where white noise such as an air compressor is present
- Rooms smaller than 3 x 3m (10 x 10ft)
- Rooms with multiple noise sources such as:
  - small kitchens
  - utility rooms
  - bathrooms
  - glass booths
  - vestibules
  - stairwells
  - garages

② Mounting the Sensor

You can mount the Glass Break Sensor on a wall or ceiling. First unfasten the base screw and press in the snap button to separate the cover from the base. As shown in Figure 1.



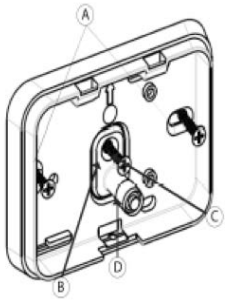
A: Screw

B: Snap button

C: Activation strip (for use when pairing the device)

Figure 1 – Separating cover from base

Fasten the mounting plate to the wall using the provided screws and anchors, through the mount openings (A) and secure the breakaway segment (B) also to the wall to enable tamper detection. As shown in Figure 2.



A: Mount openings
B: Break-away segment
C: Fastening screw
D: Tamper contact

Figure 2 – Mount locations

Replace the cover on the base and secure with screw as show in Figure 3.

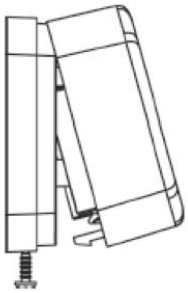


Figure 3 – Replacing sensor cover

③ Testing the Sensor

To put the sensor in test mode, temporarily separate the base from the cover as outlined under “Mounting the Sensor”. Replace the cover and ensure it is secure. The detector enters a stabilization or warm-up mode for 20 seconds during which time, the LED will flash Red followed by the network status.

The network status indications are outlined below:

LED Response	Reception
Green LED blinks	Strong
Orange LED blinks	Good
Red LED blinks	Poor
No blinks	Paired, no communication

The sensor is now in test mode for 15 minutes. Perform a low frequency test by thumping the protected glass with a cushioned object. If the test is successful, the LED will light orange for 2 seconds followed by the network status as outlined above. Repeat the test if necessary. If repeated tests fail, the sensor may need to be moved to a more suitable location as outlined in section “Finding a Suitable Location”.

Full light indications are outlined below:

LED Response	Description
Red LED blinks	Stabilization or warm-up for 20 seconds (s)
Red LED on 0.2 s	Tamper open or closed
Red LED on 2 s	Glass break alarm
Orange LED on 2 s	Low frequency (FLEX) detection in Test mode
Green and red LED blink alternating (0.5 s Green, 0.5 s Red, 0.4 s OFF)	Self test failure in Test mode
Green and red LED blink slowly alternating (0.5 s Green, 0.5 s Red, 30 s OFF)	Self test failure in Normal mode

Note: In test mode the detector is more sensitive and will react to audio noises such as hand clapping or knocking on adjacent walls. Sounds of this type will not trigger detection after the test mode ends.