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 alarm. This guide has all the information to get your Glass Break Sensor up and running.

# 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. There is no required front, back, up or down orientation.

## Wall Mount

The best wall-mount location is on the opposite wall, assuming the glass to be protected is within the sensor's range and line of sight. The adjoining wall can also be used.

## Ceiling Mount

Mount the Glass Break Sensor in a location that has a direct line of sight of the glass to be protected. Since sound travels directionally out from a broken window, a position 8 ft. (2.4 m) into the room provides better detection.

**To determine the best mounting location, mount the Glass Break Sensor:**

- At least 3.3 ft. (1 m) from the windows being protected and at least 4 ft. (1.2 m) from noise sources such as TVs, speakers, sinks, and doors.
- In the direct line of sight of the glass to be protected.
- In a suitable environment: temperature between 0 and 120°F (-18 and 50°C); and humidity between 10 and 90% noncondensing.
- On a stable surface up to 25 ft. (7.6 m) from the farthest point on the glass surface.

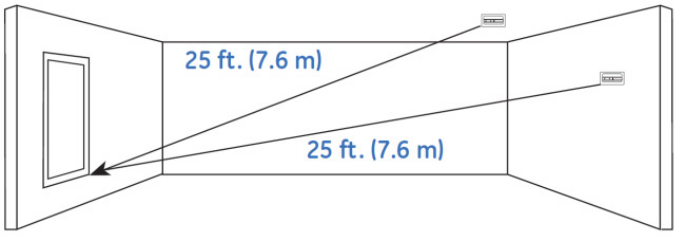
## Recommended Locations and Range

The Glass Break Sensor is omni-directional, providing 360° coverage. Coverage is measured from the Glass Break Sensor to the point on the glass farthest from the sensor. The sensor can be mounted as close as 3.3 ft. (1 m) from the glass.

**The maximum range depends on the type of glass being protected:**

- Armor-coated glass: Mount the Glass Break Sensor no more than 12 ft. (3.6 m) from the glass.

- Plate, tempered, laminated, and wired glass: Mount the Glass Break Sensor on the ceiling or the opposite or adjoining wall. Maximum range is 25 ft. (7.6 m).



## Locations to Avoid

Improper location can affect the sensitive electronic components in this product. To avoid causing damage to the product, to provide optimum performance, and to prevent unnecessary nuisance alarms:

**The maximum range depends on the type of glass being protected:**

- Avoid rooms smaller than 10 x 10 ft. (3m x 3m).
- Avoid locations where lined, insulating, or sound-deadening drapes or closed wooden shutters are used.
- Avoid the corner of a room.
- Do not install the Glass Break Sensor in humid rooms. Excess moisture on the circuit board can cause a short and a false notification.
- Avoid locations that expose the Glass Break Sensor to possible false alarm sources such as:
  - Glass airlocks and vestibule areas
  - Kitchens
  - Corner mounting
  - Residential car garages
  - Small utility rooms
  - Stairwells
  - Bathrooms
  - Small acoustically live rooms
  - Locations exposed to white noise, such as air compressors

# ② Mounting the Sensor

You can mount the Glass Break Sensor on a wall or ceiling.

A. **Using two supplied screws and anchors, mount the base of the product as follows:**

- Remove the screw located in the front
- Remove the top cover using a flat bladed tool in the screw location to pry open the top cover
- Find the mounting location and drill holes in the base per the mounting impression in the base
- Use the anchors and screws to secure the product to the mounting surface

B. **Replace the Glass Break Sensor top cover:**

- Snap the top onto the base
- Replace the screw into the front location