

Breaking a window is one of the easiest and most common ways for an intruder to enter a home or business. To help protect against this type of intrusion, an Acuity glassbreak detector is needed. "Smart" enough to distinguish the sound of breaking glass from other common sounds found in homes and businesses, the detectors feature high-performance microphones and advanced microprocessor-based Digital Sound Analysis (DSA) that can determine all types of breaking framed glass (plate, float, tempered, wired and laminated) up to 25 feet away. Acuity glassbreak detectors can be mounted on walls or ceilings.



Product Features:

- ▶ Omnidirectional microphone
- ▶ Advanced microprocessor-based glassbreak sensor
- ▶ High-level static and transient protection
- ▶ High RF immunity with SMD construction
- ▶ White noise rejection mechanism
- ▶ Installer test mode for glassbreak sensor
- ▶ Alarm memory (latching LED) for glassbreak sensor
- ▶ MOV transient / static protection
- ▶ Jumper selectable sensitivity range

Locating the Detector

For optimum protection, Acuity glassbreak detectors should be placed in clear view of their intended area of protection. Curtains, blinds and other window coverings will absorb sound energy from the shattering glass. If this is a potential problem, mount the detector as close as possible to the protected glass.

Note: Do not mount the detector on the same wall as the protected glass or near objects, such as speakers, that produce prolonged sounds.

AFT-100 Glassbreak Simulator

The AFT-100 glassbreak simulator provides the most reliable and accurate indication of the correct mounting location for the detector. Do not install the detector beyond the maximum recommended range, even if the glassbreak simulator reports additional range. Future changes in room acoustics could reduce any additional range.

Test for false alarm immunity by creating sounds in the room that will likely occur when the detector is armed.



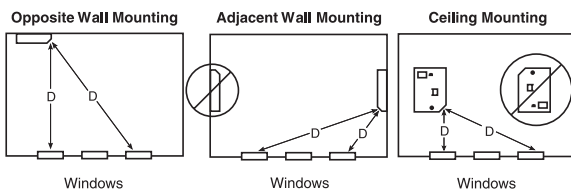
Specifications

Wall-Mount Models

Dimensions	3.5" (L) x 2.5" (W) x 0.8" (D) (89 mm x 64 mm x 20 mm)
Input Voltage	9 to 16 Vdc
Current Draw	12 mA to 12 Vdc
Current in Alarm	35 mA @ 12 Vdc
Alarm Relay: Contact Rating	1 Amp @ 24 Vdc
Tamper Switch: Contact Rating	0.1 Amp @ 24 Vdc
Microphone Type	Omnidirectional Electret
Installer Test Mode	Jumper J1
Alarm Memory Mode	Jumper J2
Detection Level	Jumper J3



Acuity Mounting Locations



Ordering Information:

Wall-Mount	
AC-100	Form 'A' Alarm Contact
AC-101	Form 'A' Alarm Contact and Tamper Switch
AC-102	Form 'C' Alarm Contact and Tamper Switch
Ceiling-Mount	
AC-500	Form 'A' Alarm Contact
AC-501	Form 'A' Alarm Contact and Tamper Switch
AC-502	Form 'C' Alarm Contact and Tamper Switch
Accessories	
AFT-100	Glassbreak Simulator

Ceiling-Mount Models

Dimensions	4.6" (D) x 1.4" (H) (117 mm x 36 mm)
Input Voltage	9 to 14.5 Vdc
Current Draw	24 mA to 12 Vdc
Current in Alarm	32 mA @ 12 Vdc
Alarm Relay: Contact Rating	1 Amp @ 24 Vdc
Tamper Switch: Contact Rating	0.1 Amp @ 24 Vdc
Microphone Type	Omnidirectional Electret
Installer Test Mode	Jumper J1
Alarm Memory Mode	Jumper J2
Detection Level	Jumper J5

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