

**Whether it's a residential or commercial installation, the LC series of detection devices readies a security system for the unexpected by providing protection for every room, corner and corridor.** 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 LC-105-DGB glassbreak detector is needed. The detector is "smart" enough to distinguish the sound of breaking glass from other common sounds found in homes and businesses.



## Product Features:

- ▶ Form 'A' alarm contact and tamper switch
- ▶ Digital signal analysis
- ▶ Detects the sound of all types of breaking framed glass
- ▶ Phased frequency detector sensor
- ▶ Able to adjust sound sensors separately
- ▶ Ceiling- or wall-mount installation
- ▶ Slim profile design
- ▶ Features ABS plastic for shock and impact protection

## Digital Signal Processing

Effective motion detection is dependent on a sensor's ability to identify intruders and provide true false alarm resistance. The LC series of detection devices pinpoints intruders through digital signal processing. Digital information is more accurately analyzed using software and is not subject to signal degradation caused by amplification, noise, distortion or signal clipping.

## Advanced Detection

In addition to detecting the unique sound patterns emitted by breaking glass, the LC-105-DGB is also able to detect the impact, or the "hit," made by intruders attempting to enter a window by cutting the glass.

## Slim, Attractive Design

The slim-profile design and attractive housing of the detector blends well with any décor. To ensure extended use, the detector features ABS plastic for shock and impact protection.

## Versatile Mounting Options

The detector offers the ultimate in installation ease and versatility as it can be mounted on walls, ceilings or in corners to intercept intruders.



## Locating the Detector

For optimum protection, the LC-105-DGB should be placed in clear view of its 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.

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

## 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

Dimensions	79 mm x 48 mm x 21 mm (3.11" x 1.89" x 0.83")
Weight	40 gr (1.41 oz)
Detection Range Plate	10 m (30 ft) Max
Power Input	9 to 16 Vdc
Current Draw (Standby)	15 mA @ 12 Vdc
Current Draw (Active)	40 mA @ 12 Vdc
Tamper Switch: Contact Rating	50 mA @ 24 Vdc
RFI Protection	30 V/m 10-1000 MHz
EMI Protection	50,000 V

### Ordering Information:

LC-105-DGB	Digital Glassbreak Detector
AFT-100	Glassbreak Simulator

**DSC**

For product information  
[www.dsc.com](http://www.dsc.com)

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