



Product Data Sheet

GS110

Piezo glassbreak detector with relay output

High Performance

The glassbreak detectors GS110 and GS200 are designed to detect the specific ultrasonic frequency range produced by breaking glass. Knocks and other normal disturbances to a windowpane do not trigger an alarm. Suitable for use on standard window glass or plate glass the GS110 and GS200 provide a 2 meter radius of protection. The detector may be fitted as close as 2 cm from the window frame and still provide a full 2 metre radius of coverage on standard glass. These detectors are moulded into a plastic housing and delivered with 3m cable as a standard. They are featuring a built-in latch LED indicator for easy location of alarmed detectors.

Two Versions

The GS200 glass break detector is designed for a balanced DC alarm loop. The extremely low current draw means that a large number of detectors can be connected to each loop. The detector can be connected without regard to polarity.

The GS110 is designed for closed alarm loops, and has a relay output that opens on alarm. It can also be used in a balanced alarm loop together with an end-of-line resistor. Cutting the cable or interrupting the power causes an open circuit, which triggers an alarm.

Analysers

GS118N (metal housing) and GS218N (plastic housing) are interface units that are used to adapt the GS200 glass break detectors to control panels without balanced DC alarm loops or to divide a large number of detectors into smaller zones.



Standard Features

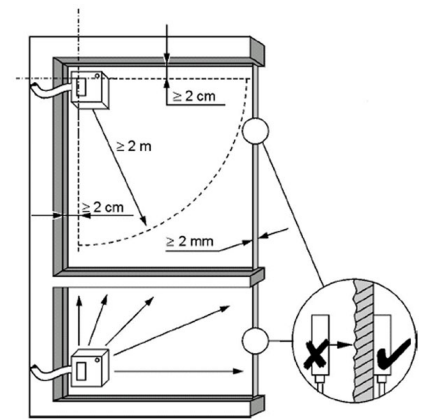
- Small and unobtrusive
- Latching alarm indication
- 2m radius protection
- Easy to install
- No adjustment
- Tamper proof
- Waterproof

GS110

Piezo glassbreak detector with relay output

Specifications

Power supply	10 to 15 VDC
Max. ripple	1 V at 12 VDC
Current draw	
Normal	5 mA at 12 VDC
Alarm	17 mA at 12 VDC
Alarm output	SPST relay NC 100 mA at 28 VDC (fail safe)
Tamper	Protected against cutting the cable
Operating temperature	-40 to +70°C
Detection range	2 m radius
Dimensions	28 x 28 x 14 mm
Weight	85 g
Cable length	3 m
IP/IK rating	IP30, IK02



Ordering Information

Part No.	Description
GS110	Piezo glassbreak detector with relay output
GS115	Test Unit for Glassbreak detectors
GS117	Adhesive kit

