

Breakglass 2000

BG16DF

Digital Acoustic
Break Glass

Digital Acoustic
Break Glass

Detectors

Breakglass

- 8m detection range covering a 360° diameter
- Designed to work with most glass types
- Microprocessor technology
- Flex and shatter frequency detection
- Installation test mode
- Option for latch mode
- ABS plastics



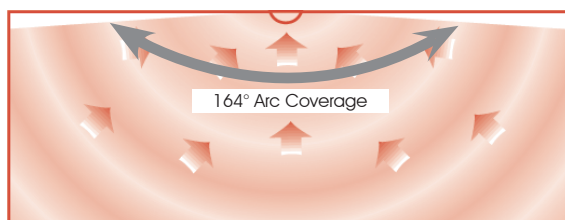
INDUSTRIAL / COMMERCIAL /
RESIDENTIAL

Product Features

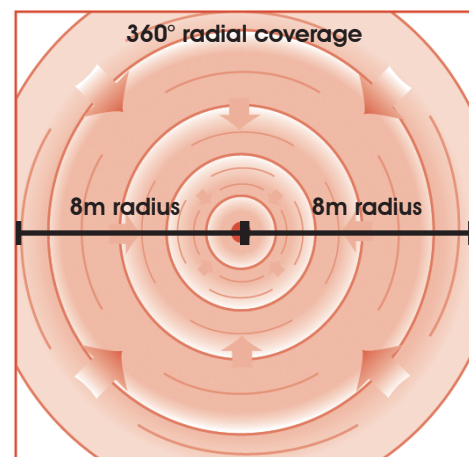
Features	Description	Breakglass 2000	BG16DF
8m detection coverage	8m detection range covering a 360 diameter	✓	✓
Advanced digital noise background filter	Filters any unwanted noise in an environment	✗	✓
2 stage detection process	The detector first picks up the high frequency 'shatter' of the glass and then the initial low frequency 'flex' of the glass	✓	✓
Omni-directional sensor	The breakglass detector can be located in a convenient location, not necessarily positioned directly opposite the glass	✓	✓
Triple LED indication	The low frequency detection of the flex is indicated by a green LED, The high frequency shatter of the glass by orange and an alarm activation by a red LED	✓	✓
Installation test mode	By utilising this feature in conjunction with the Break Glass Tester the sensitivity settings can be changed to suit the installation.	✓	✓
Option for latch mode	Enables the detector which has triggered the alarm to be identified in the case where there is more than one detector connected to one zone (input).	✓	✓
ABS plastics	3mm polished finish, reduces electrostatic interference on the PIR sensor	✓	✓

Plan Diagram

Coverage pattern
side view



Coverage pattern
plan view



Technical Specification

ELECTRICAL	
Operating voltage	9-16VDC (12V nominal)
Current consumption - no alarm	30mA (at 13.8V)
Current consumption - alarm	28mA (at 13.8V)
Relay output	60VDC, 50mA Protected
Tamper switch	12V max, 50mA max
RFI immunity to continuous wave (CW) 10-1000MHz	75 V/m
RFI immunity to amplitude modulation (AM) 10-1000MHz	30 V/m
RFI immunity to amplitude modulation (PM) 10-1000MHz	30 V/m
PHYSICAL	
Weight (Boxed)	100g
Dimensions	90 x 90 x 30mm

OPERATING FEATURES	
Alarm period of	2.5 seconds
Detection speed	0.2 - 3m/s
Operating temperature	-10°C to +40°C
Storage temperature	-20°C to +60°C

DETECTION	
Glass types	Float, plate, wired, laminated, leaded, double glazed
Glass thickness	2.4mm to 6.4mm
Glass size	0.3m x 0.3m to 3m x 3m

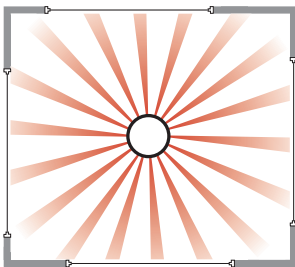
MOUNTING	
Optimum coverage height	8m



Breakglass 2000, BG16DF
For use in EN50131-1 Systems
Security Grade 3
Environmental Class 2

Lens Coverage and Circuit Board

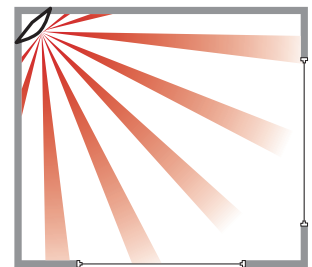
Ceiling Mounted



Wall Mounted

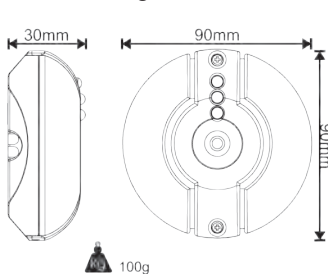


Corner Mounted

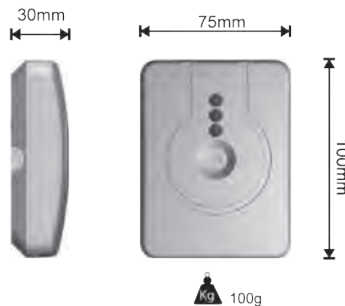


Weight and Dimensions

Breakglass 2000

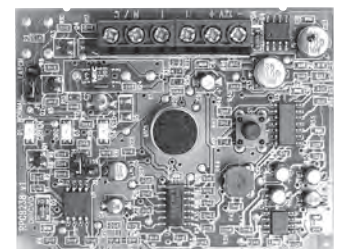


BG16DF



Printed Circuit Board

(Both products)



Breakglass Tester



This unique breakglass tester has been designed specifically for testing the Breakglass / BG16DF detector.

By stimulating the sound of breaking glass the breakglass tester offers a way of adjusting the sensitivity of the Breakglass detector ensuring good detection and performance at all times.

Operating voltage: 9V battery
Battery life: 2000+ operations
Simulated glass: Plate glass
Operating temp: 10°C to 40°C
Storage temp: -20°C to 60°C

Information

Compliance	
Europe	CE
Belgium	INCERT

Min Pack:	10
Weight:	1.285kg
Warranty:	5 years
Designed	UK