

Internal Detectors

Break Glass 8m Radius Dual Frequency:
Digital Acoustic Break Glass Detection

BG16DF

This break glass detector works by detecting frequency levels through a 2 stage process; the BG16DF will pick up the high frequency 'shatter' of the glass and then recalls the initial low frequency flex of the glass.

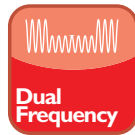
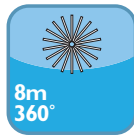
The BG16DF functions with all common glass types and sizes including double glazing, tempered & wired glass. It is ideally situated in a conservatory or an area where there is a large expanse of glass.



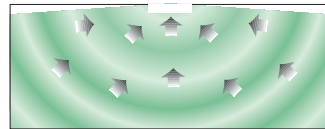
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Features and Specifications

The BG16DF Features

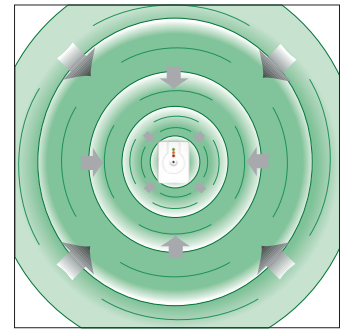


Lens Coverage



8m radius coverage

Mounted at 8m (max)



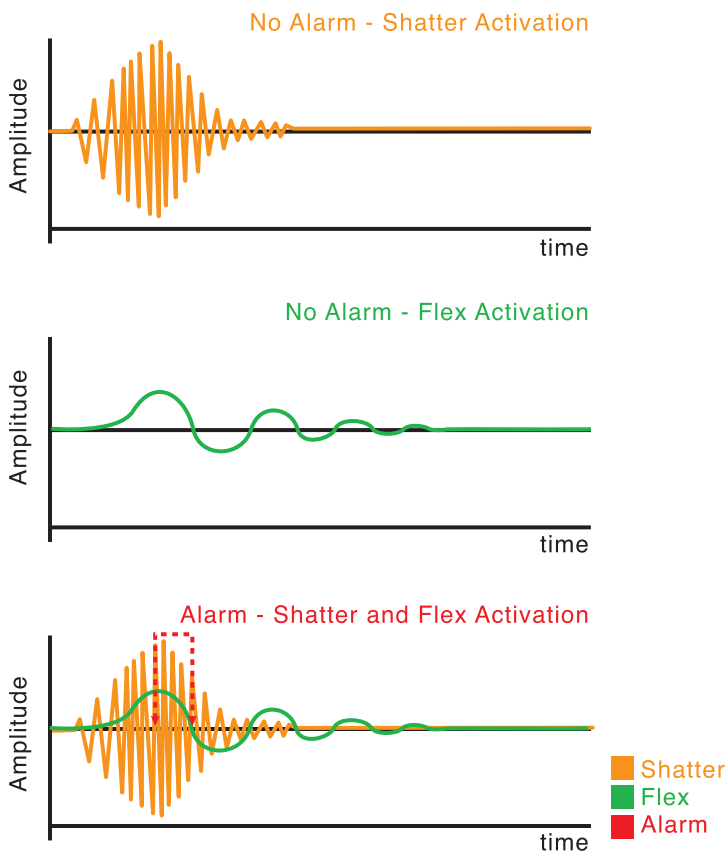
The Break Glass Design and Manufacturing

The design and manufacturing of this product ensures a consistently high quality of product and protects against problems caused by Radio Frequency.

Superior False Alarm Immunity

This detector works by detecting frequency levels through a 2 stage process; the BG16DF will pick up the high frequency 'shatter' of the glass and then recalls the initial low frequency 'flex' of the glass. By using this process and a technology called micro-processor signal analysis, the detector avoids the conventional problem of false alarms. For example, it overcomes the high frequency of a telephone ringing and the low frequency of a passing lorry.

The BG16DF Activation Summary



Break Glass Coverage

The omni-directional sensor allows the detector to be situated in a convenient location and does not necessarily have to be positioned directly opposite the glass. The BG16DF provides an 8 metre detection radius, offering unrivalled acoustic detection.

Specification

Supply Voltage	9-16V
Current Consumption	30mA
Relay Output	50mA (42.4 Vac peak)
Mounting Height	Ceiling Height (8m max)
Detection Range	8m (26ft) Radius
Detection Method	Micro processing algorithm sensor maximised to alarm in all break glass situations
Glass Types	Float, Plate, Tempered, Wired, Laminated, Leaded, Double glazing
Glass Thickness	2.4mm x 6.4mm
Glass Size	0.3m x 0.3-3m x 3m
Test Period Time out	Approx 5 minutes
Emissions	EN55022 Class B
Immunity	EN50130-4
Dimensions	100 x 75 x 30mm
Warranty	5 years



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