BG16DF

Discreet design, maximum glass-breaking detection

Beat the burglar with smart & convenient detection of any breaking glass

The BG16DF can perfectly monitor any glass windows on any property. Whether it is a garage, greenhouse or conservatory, the detector has it covered! Small, sleek and stylish, this is the supreme security solution for any domestic or commercial property, particularly for areas where it would be difficult to hear the break itself.

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Avoid false alarms with dual frequency detection

Filtering through unwanted noise, the BG16DF reduces false alarms by focusing solely on the multiple frequencies associated with breaking glass:

- **Two-stage detection process**

The detector only focuses on two frequencies; first it picks up the high frequency 'shatter' of the glass and then the initial low frequency 'flex' of the glass to confirm a break has occurred.

- **Micro-processor signal analysis**

A part of the two-stage detection process, this overcomes false alarms that can occur from the high frequency of a telephone call or the low frequency of a passing lorry. Only when both the 'shatter' and the 'flex' frequencies of breaking glass are detected will the BG16DF send a signal to put the system into alarm.

Partcode	BG16DF
Key Features	
Designed for most types of glass	✓
Coverage diameter	6m
Angle of coverage	360°
Digital technology	✓
Detects the frequency of glass breaking	✓
Detects the frequency of glass flexing	✓
Dual confirmation detection - first impact	✓
Installation test mode	✓
Option to latch alarm relay	✓
Electrical Specifications	
Power	9-16DC (12V nominal)
Current consumption at rest	30mA (a 13.8V)
Current consumption in alarm	28mA (a 13.8V)
Outputs relay	60DC, 50mA protection
Tamper terminal	12V max, 50mA max
RFI immunity from continuous wave (CW), modulated wave (AM) and pulse (PM) 80-2700MHz	10 V/m
Glass type	Float, piano, reinforced, laminated, leaded, double glazed
Glass thickness	2.4mm to 6.4mm
Glass dimensions	0.3m x 0.3m to 3m x 3m
Alarm duration	2.5 seconds
Detection speed	0.2 - 3m/s
Installation height	2.4-8m
Other Details	
Operating | storage temperature	-10°C / +50°C | -20°C / +60°C
Weight	100g
Dimensions	90mm x 90mm x 30mm
Warranty	2 years
Certifications	
Electrical conformity	CE

Adaptable, optimised & stylish

- **Omni-directional sensor**

The BG16DF detector can be positioned in a convenient location close to the glass it is monitoring rather than having to be directly opposite.

- **8m detection coverage**

8m detection range covering a 360° diameter.

- **Triple LED indication**

The BG16DF indicates the frequencies that it detects without the need to refer to the panel: orange indicates 'shatter', green indicates 'flex' and red indicates an alarm activation.

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Pyronix Limited, Secure House, Braithwell Way, Hellaby, Rotherham, South Yorkshire, S66 8QY, UK

T: +44 (0)1709 700 100 E: sales@pyronix.com W: www.pyronix.com