

BG2000



## Discreet design, maximum glass-breaking awareness

Beat the burglar by detecting any breaking glass conveniently & efficiently

The BG2000 can perfectly monitor any glass windows on any property. Whether it is a garage, office or shop, the BG2000 has it covered. Perfect for monitoring any glass windows, particularly where it would be difficult to hear, this small and sleek detector is the ideal solution for domestic and commercial properties.

[www.pyronix.com](http://www.pyronix.com)

# BG2000



Partcode	BG2000
<b>Key Features</b>	
Designed for most types of glass	✓
Coverage diameter	8m
Angle of coverage	360°
Digital technology	✓
Dual confirmation detection - first impact	✓
Detects the frequency of glass flexing	✓
Detects the frequency of glass breaking	✓
Installation test mode	✓
Option to latch alarm relay	✓
<b>Electrical Specifications</b>	
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
<b>Other Details</b>	
Operating   storage temperature	-10°C / +50°C   -20°C / +60°C
Weight	100g
Dimensions	90mm x 90mm x 30mm
Warranty	2 years
<b>Certifications</b>	
Electrical conformity	CE

## Avoid false alarms with dual frequency detection

Filtering through unwanted noise, the BG2000 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 BG2000 send a signal to put the system into alarm.

## Know exactly where the break has occurred with the optional latch mode

On a property where there is more than one BG2000 detector installed, this allows the immediate identification of which detector has triggered the alarm.

## Adaptable, optimised & stylish

### • Omni-directional sensor

The BG2000 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 BG2000 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.