

Acoustic Glass Break Detector

Art. no. GB2000

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- Reliable (acoustic) detection of breaking glass
- One detector to secure window fronts and conservatories
- Distinguishes shattering window panes from drinking glasses
- Detection range up to 9 m depending on the type and thickness of glass

Use the acoustic glass breakage detector to monitor large window frontages. The detector reacts to the specific sound of shattering window panes. Glass breakage is detected and reported to the alarm panel. The acoustic glass breakage detector monitors the whole room. To function optimally, it should face the window area to be monitored. The best position is approx. 2-3 meters from the window. The maximum distance – depending on glass type – is between 6m (laminated glass) and 9m (sheet glass). The detection range of the sensor can also be less, depending on the window's environment (curtains, plants, interior window blinds, reinforced glass, etc.). The acoustic glass breakage detector reacts to the sound frequency arising from shattering glass (low and high-frequency sound distribution). This occurs in two steps: a steep amplitude increase during the glass breakage, a weakening amplitude caused by the impact of falling glass fragments. First the glass breakage, then the impact of the glass fragments: The acoustic wireless glass breakage detector triggers an alarm only if these criteria are met. This prevents an alarm being caused by ordinary day-to-day clinking noises. The area of the pane to be monitored should be at least 30 x 30 cm.

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Technical Data:

VdS class	none
Dimensions	(WxHxD) 50x70x25 mm
Connections	NC
Width	50 mm
Type of detection	Audible
Detection range of detector (m)	9 m
Housing material	ABS
Height	70 mm
Length	25 mm
Power consumption	0,186 W

Max. operating temperature	55 °C
Installation location	Across from the glass surfaces to be monitored
Net weight	0,06 kg
Tamper monitoring	Yes
Sensor type	Omnidirectional microphone
DC voltage supply	9.3-16 V
Status display	Yes
Power consumption	20 mA