

## GLASS BREAK DETECTOR 24 VDC

Part No.: 200155

### FEATURES

The Glass Break Detector monitors a flat glass surface within a maximum radius of 2 meters.

The monitoring radius depends on:

- Glass thickness
- Age of the glass
- Frame material (metal, plastic, wood)
- Gasket material (uPVC, rubber, silicone)

Any damage to the glass that does not reach the minimum mechanical vibration frequency and amplitude will not trigger the sensor. Use of a glass cutting tool will hence not be detected. To detect removal of the sensor it should be mounted horizontally on the glass.

Due to the uneven surface of textured glass monitoring is not possible. Similarly, the sensor must not be used on safety glass or laminated glass, since the wire insert or the plastic film reduces the mechanical vibrations in the glass so the sensor cannot detect it.

It is important to ensure that the glass is in perfect condition and has no cracks that increase the risk of false alarms, is properly sealed and not foil tinted.

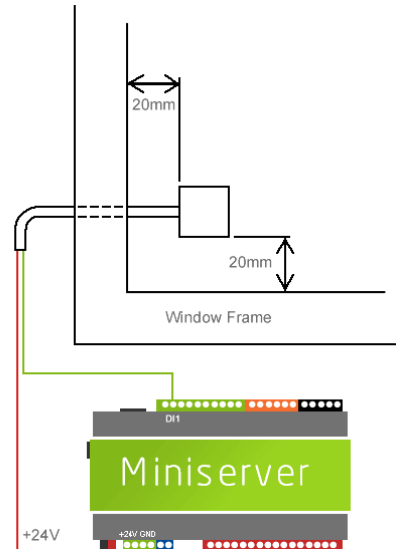
### ASSEMBLY

The sensor is adhered to the glass by its adhesive pad on the bottom of the housing. Before adhering the sensor to the glass the area for application must be cleaned (using either alcohol or other cleaning solvent). The protective film on the adhesive pad must then be removed and the sensor carefully placed on the glass. Make sure not to touch the application area with fingers! Once the sensor is attached to the cleaned glass it must be pressed on with sufficient pressure for about 20 seconds. After being placed on the glass the position of the sensor must not be changed!

**Caution:** The sensor is highly sensitive. Tapping or other inappropriate treatment can lead to damage of the sensor.

Every foreign body that is located between the sensor pad and the glass will effect the sensitivity negatively.

### CONNECTION



### TECHNICAL DATA

Housing base	Ceramic substrate with self-adhesive film
Contact type	1-pole NC
Internal power consumption	0 mA
Switching current	Max. 2 mA
Switching voltage	Max. 25 VDC
Switching capacity	Max. 350 mW
Contact resistance	Idle state: Max. 150 Ohm Triggered state: Min. 1 milli-Ohm
Alarm duration	0.5 ... 5 seconds (depending on the glass break)
Effective radius	Approx. 2 meters
Connection cable	LiYY 2 x 0.14 mm <sup>2</sup> copper tinned
Housing and cable colour	White
Cable dimensions	Ø 3.2 mm
Housing dimensions	19 x 19 x 11 mm
Housing material	Styrene-Butadiene (SB)
Operating temperature	-25 °C bis +70 °C
Protection	VdS Environmental class IV, IP67

**Please note technical specifications may change at any time!**