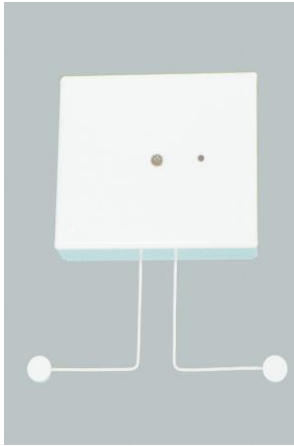


# MAGS-S

Active glass break detector

VANDERBILT



## Key Features include:

- Automatic alignment , thus no adjustments required
- Low installation costs
- Low power consumption
- High reliability through continuous evaluation of the frequency, time intervals and the reflection
- Wide range of different types of glass

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## Application & mode of operation

The active glass break detector MAGS-S consists of two main components; the evaluation unit and two equal sensors (transmitter and receiver), which are glued on the surface of the protected pane of glass.

After the installation is complete, all adjustments and trimming of signals are made automatically by the evaluation unit. The evaluation unit monitors the frequency values, the time intervals and the reflex. The evaluation unit reduces false alarms, even with large alterations of the frame of the glass construction, which may be caused by environmental influences; like heat, cold and aging process of the construction. The evaluation units' automatic adjustment of the signals from the sensors attached to the pane of glass, provide a secure monitoring system.

The MAGS-S solution for active glass break detection is an effective, efficient and low cost solution.

The active glass break detector MAGS-S is available for almost all types of glass within a frame construction, which have undamaged panes. The testing of the installed MAGS-S detectors, can quickly be completed using test device GP2.

### ■ Accessory

Type	Art.-No.	Description	Weight
GP2	N54535-Z101-A100	GP2 tester for MAGS-S	0.10Kg

### ■ Ordering Information

Type	Art.-No.	Description	Weight
MAG-S	VDE6:9912400013	Glass break detector & sensor kit, white	0.46Kg

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## ■ Technical Specifications

Operating voltage (nom. 12 V)	10.4... 15 VDC	
Current consumption (at 12 VDC)	Normal	Alarm
- Without transmitter	18 mA	26 mA
- Receiver with transmitter	22 mA (start-up 28 mA)	18 mA
Types of compatible glass	Windows, crystal, reinforced, laminated, safety, wire insert and safety film	
Sensitivity	Normal glass	
- Low gain	Composite, bullet proof glass	
- High gain		
Alarm relay	Voltage free, normally closed, max 25V DC/30 mA	
Alarm indicator	LED - Red	
Alarm memory	Remote reset signal, contact opening time $\geq$ 3 seconds	
Tamper contact - Cover	Voltage free, normally closed, max 25V DC/30 mA	
Monitoring protection	Reverse polarity	
Adhesive for installation	Loctite adhesive 319 & activator 7649	
Construction	RAL 9003 – white	
- Housing	RAL9003 – white	
- Sensors	LiYCY 1 x 0,14mm <sup>2</sup> (Ø 1.8mm)	
- Cable		
Environmental	IP31	
- Protection (Evaluation unit)	Class II	
- Class (Evaluation unit)	Class III	
- Class (Sensors)		
- Operating Temperature	-10 ~ +75 °C	
Dimensions		
Transmitter/Receiver (Ø x H)	14 x 6mm	
Evaluation unit (L x W x H)	110 x 90 x 30mm	
Approvals	G188149 – VdS – Class C	