



Overview

The **AGB800** series of acoustic glass break detectors are the market leaders within this area of protection with unsurpassed approvals. The acoustic glass break detectors provide an alarm signal when breaking glass has been detected. The detectors are based upon the latest microcontroller technology and are programmed to consider relevant acoustic factors, including the Digital Room Compensation (DRC) factor.

Due to the complex algorithms, the detectors can precisely distinguish between the true breaking of glass and other noise signals and therefore they provide a 100% resistance to false alarms.

The AGB800-AM is equipped with an anti-masking function, which has a separate relay for additional security and signaling purposes. The AGB800 series of detectors can be mounted on the ceiling or the opposite wall from the protected window(s). The expansive 165° detection coverage range allows the detectors to protect several windows in the same room.

The AGB800 series allows for different settings depending on the windows design and type of glass used. Single glazed window design up to the triple glazed window design will work in combination with this detector. Selecting the type of glass within a room - such as float & tampered, float with security film, and laminated glass - can be easily accomplished via selectable DIP switch settings.

Key Features

- ✓ AGB800-AM EN Grade 3 approved
- ✓ AGB800 EN Grade 2 approved
- ✓ Anti-mask detection on AGB800-AM
- ✓ Operating radius up to 9.0 m
- ✓ Digital room compensation
- ✓ Detector can be tested and calibrated by using the glass break simulator ADT700
- ✓ Excellent immunity to false alarms
- ✓ 165° coverage enables multiple risk detection
- ✓ Compatible with a wide range of glass types and window designs
- ✓ Extended operating voltage range
- ✓ Alarm memory

TECHNICAL DATA

	AGB800	AGB800-BL	AGB800-AM
Supply Voltage			
• Voltage Monitoring	7 ... 30VDC		
• Voltage Ripple	2 Vpp @ 12V, 4 Vpp @ 24VDC		
Current Consumption			
• Quiescent	9mA @ 12VDC 6mA @ 24VDC	12mA @ 12VDC 8mA @ 24VDC	
• Alarm	8mA @ 12VDC 6mA @ 24VDC	11mA @ 12VDC 7mA @ 24VDC	
Outputs			
• N/C Alarm & Fault	50mA, 50VDC/peak AC, $R_s \leq 30\Omega$		
• N/C Tamper	50mA, 50VDC/peak AC		
Indications	External red LED - Alarm & Fault		
Monitoring Voltage	Fault at <7VDC		
Anti-mask Contact	N/A	50VDC / 50mA	
Alarm Indication	Red LED		
Housing Material	ABS plastic, white (RAL 9003)	ABS plastic, black (RAL 9005)	ABS plastic, white (RAL 9003)
Dimensions (h x w x d), mm	110 x 69 x 39		109 x 68 x 40
Coverage Area			
• Range	Max. 9.0 m 165°		
• Size of the protected glass	Max. 6 m x 6 m. Min 0.4m x 0.4m Float glass (standard window glass) 4mm		
• Approved glass type	Laminated P2, 4mm + 4mm		
Ambient Conditions			
• Operation Temperature	+5 ... +40° C	-25 ... +40° C	
• Humidity (DIN40040)	< 93 % RH, non-condensing		
• Environmental Class	EN50130-5:2011, Class 1		
Security Grades	EN Grade 2 / VdS Class B/ SBSC Alarm Class 2		EN Grade 3 / VdS Class C/ SBSC Alarm Class 3

ORDERING INFORMATION

Type	Art. No.	Description	Weight
AGB800	V54535-Z130-A100	Acoustic glass break detector G2	0.126Kg
AGB800-BL	V54535-Z130-A300	Acoustic glass break detector G2, black	0.126Kg
AGB800-AM	V54535-Z129-A100	Acoustic glass break detector G3	0.126Kg
Accessory			
ADT700	N54535-Z100-A100	Acoustic glass break tester	0.743Kg