

AGB800 & AGB800-AM

Acoustic Glass Break Detectors

VANDERBILT



Key Features include:

- AGB800-AM EN Grade 3 approved
- AGB800 EN Grade 2 approved
- Anti-mask detection on AGB800-AM
- Operating radius up to 9.0m
- 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 wide a range of glass types and window designs
- Extended operating voltage range
- Alarm memory

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Description

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 AD800 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.

AGB800 & AGB800-AM Applications & detection range

	Window design	Type of glass pane inside the room		Range		
				1-2 m	2-4 m	4-9 m
1	Single glazed	Float & tempered		Zone 3	Zone 2	Zone 1
2	Double glazed	Float & tempered	High disturbances	Zone 3	Zone 2	Zone 1
			Low disturbances	Zone 1		
3	Triple glazed	Float & tempered		Zone 1		
4	Double glazed with Profilon®	Float & tempered covered with Profilon®		Zone 1		
5	Single and multi-glazed	Laminated		Zone 1		

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■ Technical Data

	AGB800	AGB800-AM
Supply voltage	7 ... 30V DC	
- Voltage monitoring	2 Vpp @ 12V, 4 Vpp @ 24V DC	
- Voltage ripple		
Current consumption		
- Quiescent	12mA @ 12V DC 7.3mA @ 24V DC	12mA @ 12V DC 7mA @ 24V DC
Outputs	50mA, 50V DC/peak AC, Rs ≤ 30Ω	
- N/C Alarm & Fault	50mA, 50V DC/peak AC	
- N/C Tamper		
Indications	External red LED – Alarm & Fault	
Monitoring voltage	Fault at <7V DC	
Anti-mask contact	N/A	50V DC / 50mA
Alarm indication	Red LED	
Housing material	ABS plastic, white	
Dimensions (h x w x d) in mm	110 x 69 x 39	109 x 68 x 40
Coverage area	Max. 9.0m 165°	
- Range	Max. 6m x 6m. Min 0.4m x 0.4m	
- Size of the protected glass	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	< 93% RH, non-condensing
- Environmental class	EN50130-5:2011, Class 1	EN50130-5:2011, Class 1
Security Grade	Grade 2 EN / Class B VdS (Pending)	Grade 3 EN / Class C VdS (Pending)
Approvals	EN50131-2-7-1 SSF 1014:2011-09	

■ Ordering Information

Type	Art No.	Description	Weight
AGB800	V54535-Z130-A100	Acoustic glass break detector G2	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

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