

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 9.0 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 wide a range of glass types and window designs
- Extended operating voltage range
- Alarm memory

AGB800 & AGB800-AM

Acoustic Glass Break Detectors



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			



AGB800 & AGB800-AM

Acoustic Glass Break Detectors

VANDERBILT

■ Technical Data

	AGB800	AGB800-AM
Supply voltage		
- Voltage monitoring		7 ... 30 VDC
- Voltage ripple		2 Vpp @ 12V, 4 Vpp @ 24 VDC
Current consumption		
- Quiescent	9mA @ 12VDC 6mA @ 24VDC	12mA @ 12 VDC 8mA @ 24 VDC
- Alarm		
	8mA @ 12VDC 6mA @ 24VDC	11mA @ 12VDC 7mA @ 24VDC
Outputs		
- N/C Alarm & Fault		50mA, 50 VDC/peak AC, Rs ≤ 30Ω
- N/C Tamper		50mA, 50 VDC/peak AC
Indications		External red LED – Alarm & Fault
Monitoring voltage		Fault at <7 VDC
Anti-mask contact	N/A	50 VDC / 50 mA
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		
- Range		Max. 9.0 m 165°
- Size of the protected glass		Max. 6 m x 6 m. Min 0.4m x 0.4m
- Approved glass type		Float glass (standard window glass) 4mm 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

Issued by
Vanderbilt
Clonshaugh Business and
Technology Park
Clonshaugh
Dublin 17
Ireland
www.vanderbiltindustries.com

Data and design subject to change without notice.
Supply subject to availability.

VANDERBILT

© Vanderbilt 2017