GS960AM

Acoustic glass break sensor, AM, EN Grade III

General

GS960AM is an acoustic glass break detector which gives an alarm when glass is smashed at intrusion attempts through windows, doors and glazed walls. It uses an advanced micro-controller technology which is programmed to take a lot of relevant acoustic factors into account. Using the Digital Room Compensation the detector can distinguish between a true glass break and other irrelevant sounds. In parallel the design of the detector makes it suitable for wall or ceiling mount as long as the detector has a free “line-of-sight” to the window being protected. This sensor will detect the breaking of different types of glass panes like single glazed (float and tempered), double glazed (float and tempered), double glazed where the inner pane is covered with security film, triple glazed (float and tempered) and laminated glass pane. GS960AM is equipped with an AM function, a separate relay, which gives an alarm at sabotage of microphone. When sealing the microphone completely with elastic material like e.g. chewing gum or isolation tape it will be detected. When removing those materials the sensors will get back to its normal state.

Connection to a 24-hour loop

The sensor is constructed for continuous detection, is extra resistant to different acoustic disturbances and works well in most environments. In environments with very high rates of disturbances like e.g. industrial workshops or gyms, the outcome of a four week test period will help to decide whether to use the detector in a 24 hour loop.

Special tools and accessories

The GS960-TR tester is a specially developed tool for calibrating and adjusting the GS960 for optimal function in the acoustic space – the DRC Digital Room Compensation procedure. Using this tool to test the detector settings you do not need to open it again as the tester will communicate with the detector acoustically. There is also an additional accessory GS960-RB which is a plug-in EOL resistor board allowing to easily integrate GS960AM into an existing Advisor Advanced system without the hassle of adding EOL resistors.



Détails

- Protection of multiple windows in a room
- Maximum detection range up to nine meters
- 24 h supervision set-up possible
- Detect glass breaking up to triple panes
- Separate accessory for proper set-up and testing available
- 24/7 internal self-test procedure
- Detects the masking of the microphone
- Holding several European security approvals

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Spécifications techniques

Général

Technologie	Acoustique
Types de bris de verre	Laminé, Trempé
Gamme	9m radius at 165° (Zone 1: 4 to 9 m Zone 2: 2 to 4 m Zone 3: 1 to 2 m)
Sortie relais	50 mA, 50 VDC / peak AC, Rs ≤ 30 Ω
Bouton anti-sabotage	Oui

Filaire / sans fil

Filaire / sans fil	Câblés

Électrique

Tension de fonctionnement	7 to 30 VDC
Consommation de courant	max. 11.4 mA at 12 V, max. 7.2 mA at 24 V

Caractéristiques physiques

Dimensions physiques	68 x 109 x 40 mm
Poids net	103 g
Poids à l'expédition	130 g
Couleur	Blanc
Matériel	Plastique ABS
Type de montage	Montage au plafond, Fixation murale

Environnement

Température de fonctionnement	+5 to 40°C
Humidité relative	93 % max.
Environnement	Intérieur

Régulateur

Certification	VdS

General

Type (thickness) protected glass	Float (4 mm), laminated P2, P4 (4 mm + 4 mm)
Size of protected glass	400 x 400 mm minimum

Electrical

Max. voltage ripple	2 Vp-p at 12 V, 4 Vp-p at 24 V
Voltage monitoring	Fault signaled at <7 V
D/N signal levels	DAY: D/N open or <2.5 V, NIGHT: D/N >2.5 V
Intrusion/fault indication	LED

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