Honeywell | Intruder Detection Systems

FG8M

Wireless Glassbreak Detector

Commercial sites can be prone to false alarms caused by a number of different factors, particularly in environments where there is a lot of glass present, for instance retail sites. This can lead to additional operational costs for businesses as police or security personnel may need to be dispatched to investigate the cause of the false alarm, therefore incurring significant costs.

Honeywell's FG8M wireless acoustic glassbreak detector is the perfect inner perimeter protection solution to address this challenge. The FlexCore™ and Flexguard™ technologies offer advanced post sensing signal processing capabilities which provide unequalled false alarm immunity.

FlexGuard® technology analyses sound frequency, duration and amplitude faster than existing technologies, ensuring the highest level of detection, therefore reducing costs caused by detection errors. This makes the FG8M sensor ideal for sites where glass is prevalent, especially commercial premises which are more prone to false alarms, reducing service calls and associated time and costs.

Easy to mount and test with the FG701 glassbreak simulator, the FG8M wireless detector cuts installation time. It maximises the installation budget as only one device is required to protect an area which has multiple windows or glass as the FG8M sensor does not need to be placed on the glass surface compared to similar technologies that need one sensor per window.

Now it is possible to choose from a wide range of wireless sensors that are compatible with all the main Honeywell panels. This wide choice provides a solution to suit any type of installation and offers a complete system based on a powerful and reliable technology. The unique combination of patented bi-directional and agile routing radio technologies provides one of the strongest wireless solutions in the market today. The most widely sold glassbreak technology is now part



of a powerful commercial wireless solution, offering uncompromised performance and unmatched false alarm immunity.

Now you can expand your business opportunities as the FG8M wireless technology is part of a powerful commercial solution, offering both time and cost savings. It is suitable for a wide range of installations, including residential environments where security and practicality are real assets for the end-user.

For more information on why Honeywell's wireless solutions are the right choice for you, please visit: www.honeywell.com/security/uk

FEATURES

- The best inner wireless perimeter protection technology: FG8M analyses the full spectrum of two glass breaking sounds (right before and after the breaking) prior to alarm decision meaning no false alarms on site due to its performance.
- Reduce costs: With no cabling required the FG8M sensor reduces time on site. Maintenance costs are also minimised due to extended battery life, up to 7 years with a low battery signal warning.
- Versatility: The same product can be used for various configurations:
  - Protect all types of glass up to 14 mm (plate, tempered, laminated, wired, coated, sealed insulating)
  - Range up to 7.6 m without any minimum range
  - Use for all applications with 4 sensitivity range settings through dip-switch
- Secure:
  - Covered PCB
  - Protected microphone
- Easy to install:
  - FG701 glassbreak simulator with on/off test mode from a distance up to 4.6 m
  - Captive mounting hole
  - Hinged cover
- Compatible with commercial and residential Honeywell panels: Thanks to the dual protocols ALPHA and V2GY, the wireless Glassbreak sensor is compatible with the Galaxy Flex and Dimension, the updated G2, Domonial, Le Sucre™ and Vista panels.

FG8M Wireless glassbreak detector

SPECIFICATIONS		
Glassbreak detection	Range	7.6 m
	Sensitivity	Four levels (7.6 m - 4.6 m - 3 m - 1.5 m)
	Glass type & thickness (Glass must be framed in the wall or mounted in a barrier at least 0.9 m wide)	Plate: 2 mm to 10 mm Tempered: 3 mm to 10 mm Laminated: 3 mm to 14 mm Wired: 6 mm Coated: 3 mm to 6 mm Sealed Insulating: 3 mm to 6 mm
Power	Battery	LI03V (x2) - supplied
	Battery life	V2GY mode: 6 years ALPHA mode: 7 years
Radio	RF frequency	868 MHz
	RF Type	Narrow Band, FM
	RF Range, Unobstructed	2000 m
Compatibility	Galaxy	G2[1] and Galaxy Flex and Dimension[2] with C079-2 wireless receiver
	Le Sucre™ and Domonial[3]	All 868 Mz versions
	Vista	Vista with 5882EUHS wireless receiver
Timings	Supervision time	V2GY mode : each 9 minutes ALPHA mode : each 18 minutes
	Transmitter test mode	Activated when powered on Deactivated 10 minutes after tamper closed
	Glassbreak test mode	Activated when powered on, by button or by glassbreak tester Deactivated 5 minutes after last tester sound
Mechanics	Tamper	Front cover and wall mounting
	Dimensions (h x w x d)	115 x 720 x 27 mm
	Weight without batteries	143 g
	Operating Temperature	-10°C to 55°C
	Storage Temperature	-20°C to 55°C
	Relative humidity	No condensation - 0 to 95%
Approvals	CE; EN50131-1, EN50131-5-3 Grade, 2 Environmental Class II	

NOTES:
(1) Valid for G2 panel firmware from version V1.5 onwards.
(2) Valid for Galaxy Dimension panel firmware from version V6.5 onwards.
(3) Valid for Domonial panel firmware from version Ixx onwards.



ORDERING REFERENCES	
FG8M	Wireless Glassbreak Detector
FG701	Glassbreak tester
LI03V	Replacement CR123 battery (two needed)



FG701 Glassbreak tester

For more information
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Honeywell reserves the right to alter the specification of products without notice.

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