PATROL-USR

COMBINED ACOUSTIC & ULTRASONIC GLASS BREAK DETECTOR

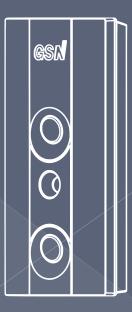
DETECTS BREAKAGE OF VARIOUS TYPES OF MULTILAYER GLASS



PATROL-USR combined acoustic and ultrasonic detector recognizes the sound caused by breakage of any type of protected glass: plate, wired, tempered, laminated, patterned, multilayered¹, sealed glazed windows¹ and glass blocks¹; all with a thickness of 2.5 mm to 16 mm

¹ The detector registers breakage of multilayered glass that holds together when shattered, as well as sealed glazed windows and glass blocks if all glass layers are broken.

PATROL-USR provides reliable protection of multilayer glass, sealed glazed windows and glass blocks in places, where the use of acoustic glass break detectors is not reliable.





ALGORITHM

Dual-technology detector incorporates two physical means for determining glass breakage: registering the high-frequency acoustic signal and registering the change in frequency of ultrasonic signal (Doppler Effect).

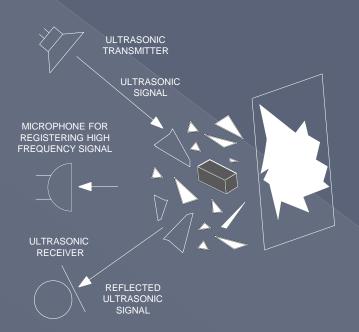
1. The high-frequency acoustic signal occurs upon glass breakage.

2. The Doppler Effect occurs when the frequency of ultrasonic waves continuously emitted by the detector and reflected from different moving objects changes.

3. To activate the alarm, both high-frequency and ultrasonic signals must be successively sensed within a pre-determined time period.

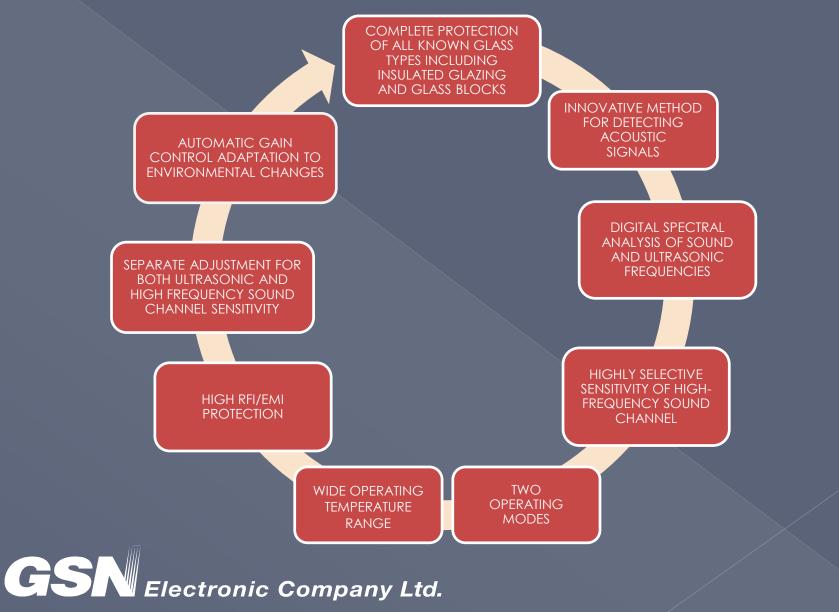


Glass Breakage Detection

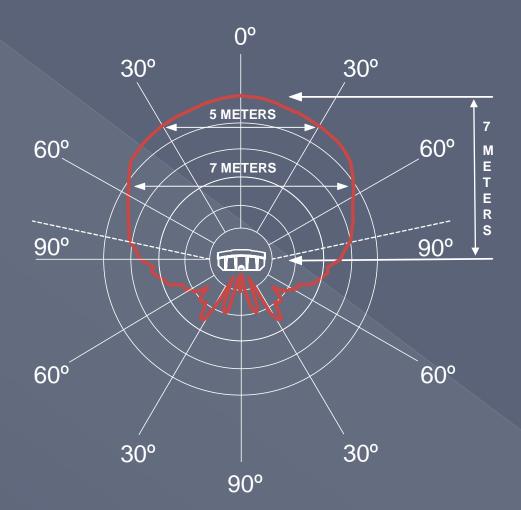




FEATURES

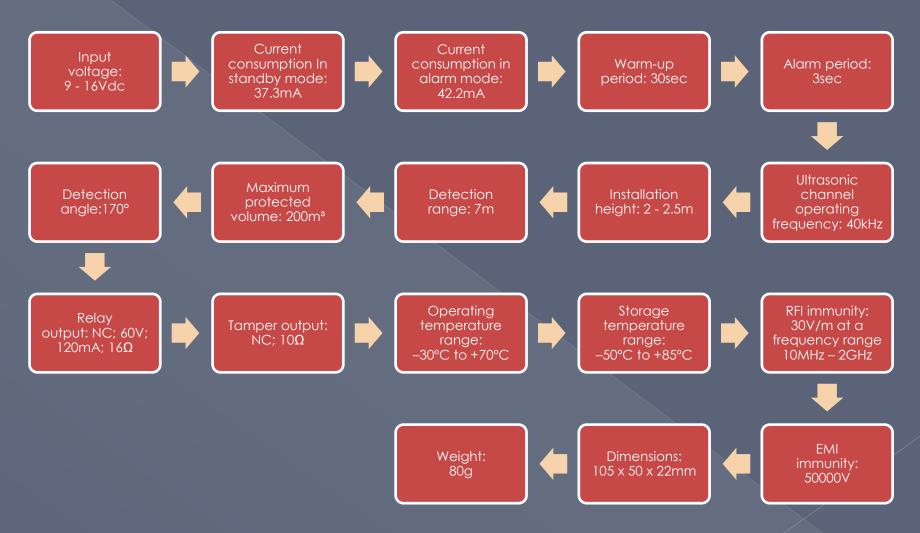


DETECTION ZONE



GSN Electronic Company Ltd.

TECHNICAL SPECIFICATION





OPERATING MODES

For premises with stable MODE 1 environmental conditions. To provide extra security measures for banks, safes, vaults, jewelry MODE 2 stores, pawn shops, museums and other facilities that store valuables.

- 1 - 2

MODE

GSN Electronic Company Ltd.

WARRANTY

GSN Electronic Company Ltd., warrants the product to be free from defects in materials and workmanship under condition of observance of service regulations and to be repaired or replaced under absence of mechanical damages for a limited period of **five years** from the date of sale.



MADE IN ISRAEL