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GEMC-WL-GB
Wireless Glass-Break Detector with Tamper
DATA SHEET

DESCRIPTION

The GEMC-WL-GB is an advanced Commercial/ Residential wireless acoustic glass-break detector designed for use with Napco GEM-Series receivers (WI751 / WI848) and GEMC-RECV (WI1682) wireless receivers. To validate minimum RF signal strength during installation, see receiver installation instructions. For greater false-alarm immunity, the glass break sensitivity can be adjusted and customized to match the acoustics of the room.

The detector is powered by a type DL123A or CR123A 3-volt lithium battery (provided) that will power the transmitter for up to 5 years. When battery voltage drops below normal, a low-battery report will be sent to the receiver (replace battery with a Duracell DL123A, Varta/ Power-One CR123A or Panasonic CR123A only). *Use of another battery may present a risk of fire or explosion*. To energize the unit, simply install the battery into the transmitter, observing battery polarity. Do NOT install a 9V battery into the unit.

Each GEMC-WL-GB has a unique factory-programmed RF ID code (printed on the sensor module and on the rear case) that distinguishes itself to the receiver. Refer to control-panel instructions for entering this code and its checksum digit into the panel. Be sure to enter all numbers and/or letters, including leading zeros, if any.

SPECIFICATIONS

Range of Coverage (radius distance from sensor)**:** 7.6m (25') maximum, omnidirectional or 4.6m (15'). No minimum range.

Input Power: Powered by a 3-volt lithium battery; use Duracell DL123A, Varta / Power-One CR123A or Panasonic CR123A only.

Alarm current (LED's disabled): 40uA maximum (transient)

Standby current: 40uA typical

Operating Frequency: 319.5Mhz

Operating Temperature: 0°C to 49°C (32°F to 120°F) (Indoor use environment)

Note: Detector stabilizes within 3 minutes of power up.

Relative humidity: 85% (non-condensing)

Glass types:

- minimum size: 10-7/8" x 10-7/8", (280 mm x 280 mm) 3/32" - 3/8" plate;
- 1/8" - 3/8" tempered;
- 1/8" - 9/16" laminated;
- 1/4" wired;
- 5/8" overall sealed insulated

Note: Coated glass with security films, including films for solar protection, up to 12 mil. thick may be used. The *Glass-Gard* GGLL1200 has been evaluated with this product by Underwriters Laboratories Inc. **UL Recognizes a maximum range of 6m (20') with sensitivity set at maximum for protecting 3mm (1.8") sealed insulating glass and 3mm (1/8") laminated glass**. **Note:** (1) Use 20' (6m) radius if unsure of glass type. (2) If not using a FG-700 or FG-701 glassbreak simulator to verify range, reduce range to 15' (4.5m) for windows with blinds or unlined drapes. (3) Reduce coverage 50% for armor-coated glass.

Accessories: FG-700 & FG-701 glassbreak simulator (not included) **NOTE:** The GEMC-WL-GB detects shattering of framed glass by a direct impact. It may not consistently detect breakage by blows that only crack the glass, by high velocity projectiles such as bullets, or glass broken without an impact.

PHYSICAL

Housing material: Flame-retardant ABS plastic
Dimensions (HxWxD): (122mm x 105mm x 33mm) 4.75" x 4.13" x 1.25"
Weight: 5.5oz (160g) [without batteries or transmitter]

AGENCY LISTINGS

UL365: Police Station Alarm Units
UL609: Local Burglar Alarm Units and Systems
UL639: Intrusion-Detection Units
UL1023: Household Burglar Alarm System Units
UL1610: Central Station Burglar Alarm Units
FM Approval: (Pending)

ORDERING INFORMATION

GEMC-WL-GB: Wireless Commercial Burg Device - Acoustic Glass break Sensor, Max Range 25'.