NAPCO | COMMERCIAL
FIREWOLF

Acoustic Glass-Break Detector
GEMC-BSLC-GB

FEATURES

- **Sound data processed** in parallel rather than sequentially for faster, more accurate detection decisions and superior immunity to false alarms

- **Maximum range** of 25 feet (7.6m) to the glass with no minimum range

- **Excellent detection**, even through blinds and light drapes

- **Automatic test** for easy installation

- **"Hand-clap"** test for sensor verification

- **Indicator LEDs** for testing flex and audio technologies

- **Warning Flag** alerts installer that the indicator LEDs are enabled

- **Easy Installation** on any wall or ceiling

- **Selectable Sensitivity:** Two dip switches make it easy to customize the sensitivity to match the acoustics of the room; four different sensitivity levels are available, ranging from very low to high

- **Alarm Memory** LED can be set to latch upon alarm

DESCRIPTION

The **GEMC-BSLC-GB** is an advanced Commercial / Residential acoustic glass-break detector designed for use with Napco GEMC-BSLC *Burglary Signaling Line Circuit Module*.

The GEMC-BSLC-GB connects onto the SLC Bus (polling loop terminals on the GEMC-BSLC board) along with such other accessories as GEMC-BSLC-1PT and GEMC-BSLC-4PT modules. For greater false-alarm immunity, the glass break sensitivity can be adjusted and customized to match the acoustics of the room.

The GEMC-BSLC-GB is easy to install; when wiring to the polling loop, the terminals (1 and 2) are non-polarized and so can be connected to either side of the SLC loop.

Assuming no other SLC devices are used on the loop, up to 42 GEMC-BSLC-GB modules may be used with any one GEMC-BSLC. A total of 84 GEMC-BSLC-GB units may be used with any one Gemini C-Series control panel.

SPECIFICATIONS

Electrical Ratings

Input Power: 13.6-16.3VDC, 8mA supplied by the GEMC-BSLC control unit.

Maximum Wiring Length: 3000 feet (#16 AWG). Refer to GEMC-BSLC documentation (WI1648) for complete wiring information.

Operating Temperature: 32° to 120°F (0° to 49°C). Refer to the PCD-Windows Quickloader download software calculation tools for 24V standby current calculations. **Note:** Detector stabilizes within 3 minutes of power up.

Relative humidity: 85% (non-condensing)

Glass types:

- Minimum size: 10⅞ x 10⅞ in. (276 x 276mm) plate, $^3/_{32}$ - ⅜ in. (2.4 x 9.5mm) plate
- ⅛ in. - ⅜ in. (3mm - 9.5mm) tempered
- ⅛ in. - $^9/_{16}$ in. (3mm - 14mm) laminated
- ¼ in. (6.4mm) wired
- ⅝ in. (16mm) overall sealed insulated

Note: Coated glass with security films, including films for solar protection, up to 12 mil. (12/1000 in.) thick may be used. **This product has been evaluated with a maximum range of 6m (20 feet) with sensitivity set at maximum for protecting 3mm (1.8 in.) sealed insulating glass and 3mm (⅛ in.) laminated glass**. **Note:** (1) Use 20 feet (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 feet (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-BSLC-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): (122 x 106 x 33mm) 4.8 x 4.16 x 1.25in.

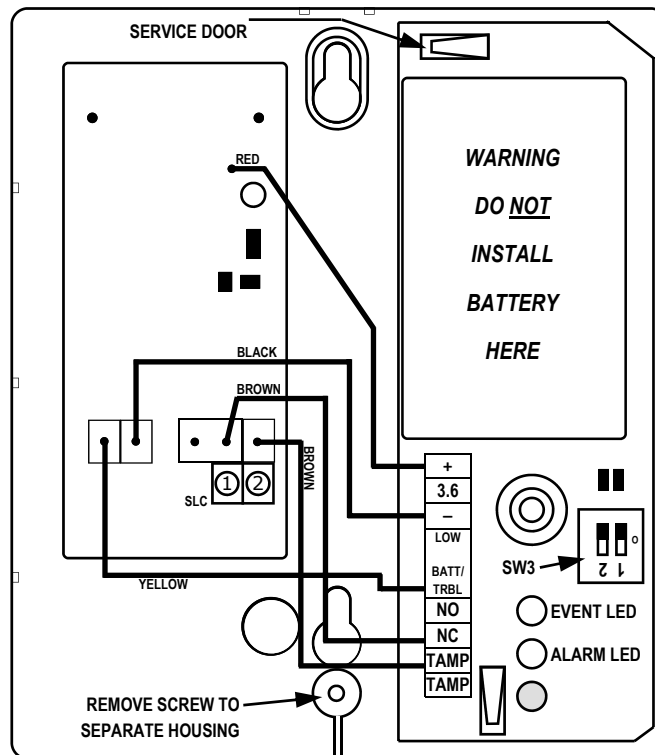**Weight:** 5.5oz (160g) [without batteries or transmitter]

ORDERING INFORMATION

FG-700 & FG-701 Glassbreak Simulator
GEMC-BSLC Burglary Signaling Line Circuit Module
GEMC-BSLC-1PT Single-Point Burglary Expansion Module
GEMC-BSLC-4PT Addressable Four-Point Burglary Expansion Module

Circuit Board Layout