

Security

Dual Tech Motion Sensor GEMC-BSLC-DT



FEATURES

- Microprocessor signal processing
- Power-up system diagnostic software tests virtually all electronics
- 50' x 40' coverage
- Remote Control of Walk-Test LED
- Microwave and PIR self test
- Watchdog microprocessor supervision
- Microwave circuit supervision
- Automatic PIR operation on microwave failure
- Dual-element PIR sensor
- High-efficiency, dirt-resistant grooves-in lens
- "Look-down" zone added
- Extensive RFI and EMI filtering ensure optimum immunity to false alarms
- Large lens area assures high PIR sensitivity
- Selectable Microwave/PIR LED indication visible from virtually any angle.
- Small size; modern, unobtrusive design
- Silent operation
- Bracket-free corner or wall mountable
- Universal Swivel Bracket Kit available

DESCRIPTION

The Napco **GEMC-BSLC-DT** is a combination passive-infrared sensor and microwave sensor, both contained in a single package. The unit will go into alarm when both sensors detect intrusion at the same time. The PIR section operates by detecting a rapid change in temperature when an intruder crosses a protected area. The microwave section is unaffected by temperature changes but is sensitive to motion. Thus the two complementary technologies provide an inherent immunity to false alarms. Dual technology is ideal for use in hostile environments; since both must trip simultaneously to cause an alarm, installation is easier and requires less discipline.



AGENCY LISTINGS

- UL365: Police Station Alarm Units
- UL609: Local Burglar Alarm Units and Systems
- UL1023: Household Burglar Alarm System Units
- UL1610: Central Station Burglar Alarm Units
- Security Industry Association (SIA) False Alarm Reduction Standard CP-01

The GEMC-BSLC-DT can cover 50' long by 40" wide and can be corner or wall mounted. The BSLC-DT is an addressable sensor that is powered and communicating on the NAPCO 4-wire Signal Line Circuit (SLC) Security communications of the FIREWOLF dual technology Control Panel.

SPECIFICATIONS

General Coverage with standard wide-angle lens, measured indoors at 68°F (20°C), typical: 50 feet long x 40 feet wide; "Look Down" zone added.

Operating Temperature: 14° to 122°F (-10° to +49°C)

Mounting: Wall or corner, 6 - 9.8 feet (2 - 3m) max.

Microwave Frequency: 10.525GHz ±25MHz

Electrical Ratings

Input Power: 13.6-16.3VDC supplied by model GEMC-BSLC, 19mA.

Maximum Wiring Length: 2000' (#16 AWG). Refer to GEMC-BSLC documentation for complete wiring information.

Unit shall be connected to model GEMC-BSLC which is employed in the GEMC C-Series control panel which is provided with a minimum of 4 hours standby on battery power.

PHYSICAL

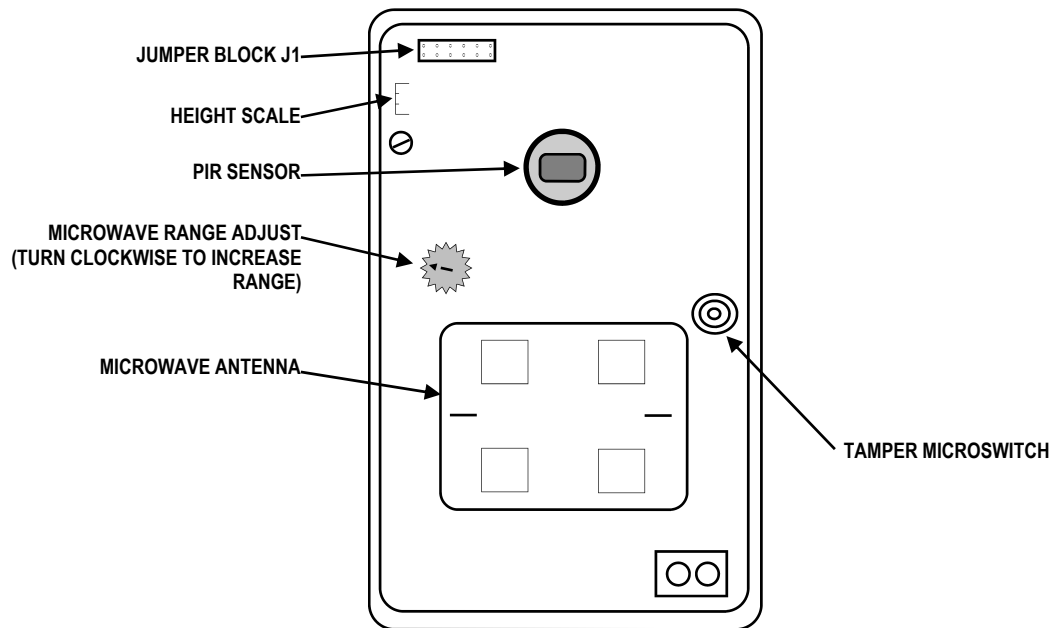
Dimensions: (HxWxD) 4.6 x 2.9 x 2.9 in.

Shipping Weight: 1.0 lb (454g)

ORDERING INFORMATION

SVLBKT: Swivel Bracket Kit

GEMC-BSLC-DT: Addressable SLC Commercial Burg Device - Dual Technology Motion Detector , PIR and Microwave, Range 40'x40'.



Circuit Board Layout