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GEMC-BSLC

BURGLARY SIGNALING LINE CIRCUIT MODULE

DATA SHEET

WI1890 09/10

DESCRIPTION

The GEMC-BSLC is the hardwired interface between Napco's Burglary Signaling Line Circuit (SLC) Points and compatible control panels. The system comprises a compatible GEMC-Series control panel, at least one GEMC-BSLC and one or more companion GEMC-BSLC Points. The Points may be space-protection devices, window/door sensors, relay outputs or other devices that report zone status and supervision information to the GEMC-BSLC.

The GEMC-BSLC supports up to 126 SLC Points. A maximum of two (2) may be used on a GEMC-Series control panel for a maximum total of 252 SLC Points. The GEMC-BSLC module is mounted inside the control panel housing and connects to the control panel via a plug-in connector. The GEMC-BSLC module continuously monitors each burglary point, updating status as changes in status are detected, and conveys this information to the control panel. **Note:** The GEMC-BSLC is for use with separately listed GEMC Series control panel (standby battery is provided by the GEMC Series control panel). Refer to WI1653 for GEMC Series installation instructions.

Note: A total of four (4) SLC / RF Receiver modules can be added to the system. Modules 1 and 2 can be either GEMC-BSLC or GEMC-FW-SLC Fire modules (mounted within the control panel enclosure), or GEMC-RECV wireless RF receivers (wired to either the control panel Burg bus or control panel Fire bus and mounted throughout the premises). Modules 3 and 4 cannot be GEMC-FW-SLC or GEMC-BSLC modules but can only be GEMC-RECV wireless RF receivers. See the GEMC-RECV installation instructions (WI1682) for programming the wireless devices into the system.

VERY IMPORTANT: For ANY keypad programming, the SLC board MUST be enabled in PCD-Windows Quickloader by opening the **System Assignment** screen, **RF-Receiver/SLC** tab.

SPECIFICATIONS

Electrical Ratings

Input Power:

Power Requirements: 24VDC, 55mA (standby current) + device current (provided by GEMC Series control panel).

Maximum Total Combined 24V Input Current: 590mA.

Output Power: 16.5V, 500mA maximum.

Note: Refer to PCD-Windows Quickloader download software's calculation tools for 24V standby current calculation. GEMC-XXXMB total combined 24V auxiliary standby current must be reduced by GEMC-BSLC current.

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

DEVICE DISTANCE SPECIFICATIONS

CLASS B CIRCUITS ONLY

The GEMC-BSLC-1PT, GEMC-BSLC-4PT and GEMC-BSLC-RLY all have a maximum distance of 3000 feet using 16AWG

wire for each loop home run; however, as the distance increases, fewer devices are allowed, as follows:

DEVICE DISTANCE SPECIFICATIONS		
Wire Gauge AWG	Max Length (feet) (home run)	Max Devices
22	250	126
	500	84
	750	42
18	625	126
	1250	84
	2000	42
16 or 14	1000	126
	2000	84
	2000-3000	42

In addition, consideration must be given to the location of the devices on the loop. For example, when using 16AWG wire, the maximum number of devices between 0-1000 feet is 42 when there are 42 devices at 2000 feet and 42 devices at 3000 feet for each home run.

GEMC-BSLC-PIR and GEMC-BSLC-DT are equivalent to 9 devices (and have a maximum distance of 2000 feet per home run when using 16AWG wire). **Note:** The GEMC-BSLC-RLY is equivalent to 5 devices (and have a maximum distance of 3000 feet per home run when using 16AWG wire).

PHYSICAL

Dimensions W x D x H: 4.5" x 4" x 1"

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

FM Approval: (Pending)

ORDERING INFORMATION

GEMC-BSLC: Addressable SLC Burg Module, supports up to 128 addressable SLC Burg devices. Connects to the GEMC control panel (2 maximum).