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GEMC-BK1 KEYPAD

DATA SHEET

WI1911 09/10

DESCRIPTION

The GEMINI 4 wire bus GEMC-BK1 keypad is compatible with the NAPCO GEMC-Series control panels (for Commercial and Residential Burglary installations). See Installation instructions (WI1653) for more information. For keypad address and option jumpers, see product label.

Note: Do not install classic Gemini "RP" series keypads or Gemini "K Series" keypads within a GEMC-Series system.

ELECTRICAL RATINGS

Input Power: 12.5 - 7.5VDC, 110mA maximum (120mA when using integral EZM). 35mA if backlighting is disabled (cut jumpers W1, W2 & W3).

Output Power:

PGM Output (active low): 5mA, 12V. Wiring to power limited circuits less than 14VDC.

Maximum Number of Burglary Keypads: 15.

Maximum Number of Fire Keypads + Burglary Keypads: 15.

Maximum Wiring Length for each run: (#22AWG): 1000' divided by total number of keypads on run.

POWER RATINGS

GEMC-FK1 and GEMC-BK1 are both powered by the keypad bus of the control panel, GEMC-12V2APS or an appropriately rated UL Listed Security/Signaling power-limited power supply. Deduct these values from the system standby current, as described in the control panel wiring diagram.

GEMC-BK1 supports an integral 4 zone EZM:

Zone Loop Voltage: 12V

Zone Loop Current: 4.7mA nominal, 5.5mA when shorted.

Maximum Zone Loop Resistance: 300 ohms.

2.2K End of line resistor.

MOUNTING THE KEYPAD

A keypad should be located near each designated exit/entry door. To open the case, insert a screwdriver into either slot at the bottom and push up with a slight twisting motion to release the retainer tab. Repeat for the other slot. Pull out at the bottom and lift off the two hooks at the top.

The keypad features a handy pull-up reference label (this label must be used in UL installations). Before mounting the keypad onto the wall, push the Sliding Label Plate (with label and felt backing affixed and handle facing forward) down the guides at the rear of the keypad until it snaps into place. Once installed, the Sliding Label Plate cannot be removed without first removing the keypad from the wall.

Note: The keypad fire and panic keys should not be considered a substitute for a listed manual initiating device, such as a pull box.

If installing onto a double-gang box, insert mounting screws through the two vertical elongated holes on the left side of

the case and into the box. If the box is visible when viewed from the front, adjust the keypad vertically and tighten the screws. Then, using hardware suitable for the mounting surface, add one or two screws at the right side of the keypad case directly into the wall to ensure a secure installation. **Note:** Do not over tighten the screws! Uneven walls may cause the keypad case to distort.

WIRING

Connect the keypad wires to the GEMC-BM and/or GEMC-BM/PS terminals shown in the table below.

COLOR	FUNCTION
GREEN	(Terminal 9) Keypad RX
YELLOW	(Terminal 10) Keypad TX
RED (+)	(Terminal 7) 12V Power
BLACK (-)	(Terminal 8) Power Ground
Brown	PGM Output
Gray	Alarm Com
Orange	Zone 1
Blue	Zone 2
Gray	Zone Com 1
Violet	Zone 3
White	Zone 4
Gray	Zone Com 2

PHYSICAL

Dimensions: 5 7/8" x 4 3/8" x 1" (WxHxD)

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-BK1: LCD Burg Keypad for GEMC Combo System (requires GEMC-BM or GEMC-BM/PS module).