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GEM-RP8LCD

KEYPAD ZONE CONFIGURATION

QUICK START

WI1166 11/02

The GEM-RP8LCD keypad includes an internal EZM (Expansion Zone Module) that may be enabled to provide two additional hard wired zones, simplifying installation. Configuration is in three steps:

STEP 1: CONFIGURE THE KEYPAD

To enable the Expansion Zone Module in the keypad and enable the EZM Zones you must first enter RP (Keypad) Configuration Mode, as described below. **Note:** Keypads to be programmed are isolated from the control panel and information entered is stored within the keypad itself.

Enter RP Configuration Mode:

1. Disconnect green wire from Remote Bus panel terminal--or--short the green wire(s) to remote ground.
2. Press the **[RESET]** button and the display will read "OUT OF SYSTEM".
3. Enter the factory code of 11123 **[MENU]**.

The software version number appears briefly, then the words "RP CONFIGURATION PROGRAM MODE" appear. The first selection is "Feedback Beep". Press **[MENU]** to continue scrolling through the selections until "EZM ADDRESS" selection appears:

EZM ADDRESS (Default = 0)

The GEM-P801 will support up to two EZMs, EZM1 and EZM2. If the EZM is not used, the keypad's EZM address must be left at the default of "0". To enable the EZM in the keypad, enter an EZM address of "1" or "2", and press **[ENTER]** to save. Press **[MENU]** to continue.

- If two Keypad EZM zones are required from one keypad, enable EZM1 (1).
- If only one Keypad EZM zone is required, enable keypad EZM1 (1).
- If one Keypad EZM zone is required from one keypad and one Zone from another, enable EZM1 (1) in one keypad and EZM2 (2) in the other.

EZM ZONES ENABLE (Default = 3)*

* EZM Address must be set to 1 or 2 for Zones to be enabled (see above).

After the Keypad EZM has been enabled, the Zone(s) to be used on the Keypad EZM must also be enabled as follows:

- To enable EZM Zone 1, enter **[1]** on the display and press **[ENTER]**.
- To enable EZM Zone 2, enter **[2]** on the display and press **[ENTER]**.
- To enable both EZM Zones 1 and 2, enter **[3]** and press **[ENTER]**.

NOTE: If zones are enabled, then 2.2K EOL resistors (provided) MUST be used.

Exit RP Configuration Mode:

When finished, exit **RP (Keypad) Configuration Mode** by pressing **[RESET]** until "OUT OF SYSTEM" appears in the display. Reconnect green wire(s) to the Remote Bus panel terminal.

STEP 2: ASSIGN EZM ZONES IN DEALER PROGRAM MODE

In addition to configuring the keypad (above), the panel must be programmed for the use of keypad EZM zones. Via **Dealer Program Mode**, these zones must be mapped to Zones 7 and 8 in the same fashion as RF transmitters - by entering a special RF ID number and point number in blocks 77 and 78, as described below.

Enter Dealer Program Mode:

1. Be sure the green wire(s) are reconnected to the Remote Bus panel terminal, and the keypad is disarmed.
2. Press **MENU** until the display reads "ACTIVATE PROGRAM".
3. Press **ENTER** to select. The display will read "ENTER CODE FOR PROGRAM MODE".
4. Enter the Dealer Code (**Note:** Factory default is 4567) and press **ENTER**.

To Map Keypad EZM 1 Zone 1 to Panel Zone 7:

- Go to block 77 and enter RF ID# 111111:5-1 (point 1) to map to Zone 7.

Press **RESET** (beep) **7F** **7F** (beep) **1** **1** **1** **1** **1** **1** **1** **5** **1**

To Map Keypad EZM 1 Zone 2 to Panel Zone 7:

- Go to block 77 and enter RF ID# 111111:5-2 (point 2) to map to Zone 7.

Press **RESET** (beep) **7F** **7F** (beep) **1** **1** **1** **1** **1** **1** **1** **5** **2**

To Map Keypad EZM 2 Zone 1 to Panel Zone 7:

- Go to block 77 and enter RF ID# 222222:b-1 (point 1) to map to Zone 7.

Press **RESET** (beep) **7F** **7F** (beep) **2** **2** **2** **2** **2** **2** **2** ***** **1** **1**

To Map Keypad EZM 2 Zone 2 to Panel Zone 7:

- Go to block 77 and enter RF ID# 222222:b-2 (point 2) to map to Zone 7.

Press **RESET** (beep) **7F** **7F** (beep) **2** **2** **2** **2** **2** **2** **2** ***** **1** **2**

Zone 8 Example: The Keypad EZM Zone can be mapped to panel Zone 7 or 8. Previously, block 77 was used to map to Zone 7 (above). Use block 78 if you wish to map to Zone 8, as shown in the following example:

To Map Keypad EZM Zone 2 to Panel Zone 8:

- Go to block 78 and enter RF ID# 111111:5-2 (point 2) to map to Zone 8.

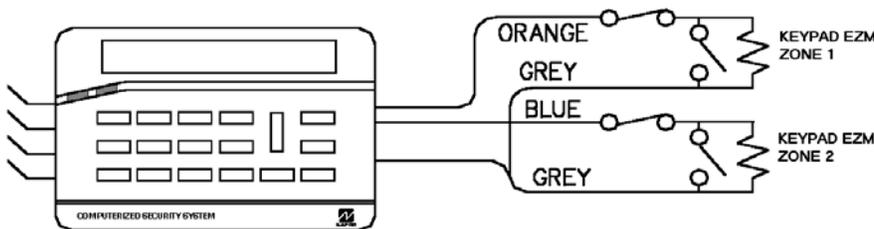
Press **RESET** (beep) **7F** **8A** (beep) **1** **1** **1** **1** **1** **1** **1** **5** **2**

Exit Dealer Program Mode:

To exit Dealer Program Mode, press **MENU** **8A**, enter your Dealer Code, then press **ENTER**.

STEP 3: WIRE THE KEYPAD

Reference the wiring diagram below when wiring the keypad EZM Zone 1 or 2 to the panel Zone 7 or 8. **NOTE:** If zones are enabled, then 2.2K EOL resistor (provided) **MUST** be used (in parallel with N/O, in series with N/C devices).



Keypad Wire Color	Panel Terminals
RED	Remote Bus (+) PWR
BLACK	Remote Bus (-) GND
GREEN	Remote Bus Green/Data
ORANGE	(+) Keypad Zone 1 *
GRAY	All Gray wires are (-) Common
BLUE	(+) Keypad Zone 2 *
BROWN	(-) PGM Output
WHITE	Not Used
VIOLET	Not Used
YELLOW	Not Used

NOTE: If two keypad EZM's are enabled, the system cannot support a GEM-RECV-XP8 wireless receiver. If one keypad EZM is enabled, then one GEM-RECV-XP8 may be used.

See WI 1115, "GEM-RP8LCD Digital Keypad Installation Instructions" for more detailed information regarding keypad specifications, mounting, wiring and programming.