

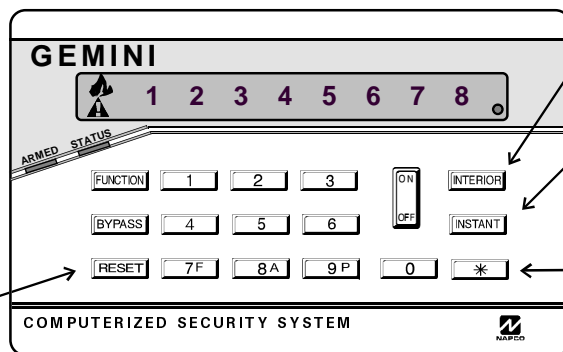


## GEM-P800 Programming Instructions

Note: These Programming Instructions are intended to be used in conjunction with WI850, please refer to WI850A for additional information, instructions and definitions.

### DEALER PROGRAM MODE - KEYPAD KEY DEFINITION

**NOTE:**  
After 15 minutes of keypad inactivity the keypad will emit a steady tone indicating the panel has been left in Dealer Program Mode. Enter Dealer Code to exit or press the **RESET** key to return to Dealer Program mode.



**Set Key**  
Press this key before entering a Programming Block Number.

**Scroll Key**  
Use this key to scroll through data that has been entered in Programming Blocks.

**Blank Key**  
Press this key to disable all features within a LED type Programming Block or to blank out digits in a Direct Entry type Programming Block.

**Hexadecimal Data Entry**  
To Enter a hexadecimal digit enter the following:

A = * 1	D = * 4
B = * 2	E = * 5
C = * 3	F = * 6

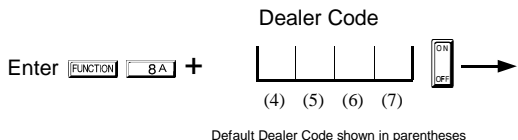
#### DEFAULTING THE PANEL

1. Remove power from the panel.
2. Remove all wiring from terminal 15 (PGM) and terminal 3.
3. Connect terminal 15 (PGM) to terminal 3.
4. Apply power to the GEM-P800 control panel.
5. After a few seconds the ARMED, READY and **▲**SYSTEM TROUBLE LEDs will flash.
6. The keypad will beep 3 times indicating the panel default values have been loaded.
7. Remove wiring between terminal 15 (PGM) and terminal 3.
8. Re-install original wiring for terminal 15 (PGM) and terminal 3.

**Note:** Any programming in Dealer Options 1 [96] and Dealer Options 2 [97] will not be defaulted. If Dealer Code Lockout has been programmed the panel will not default the Dealer Code. The Event Log will be erased when the panel is defaulted.

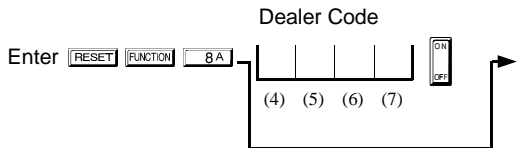
### Entering Dealer Program Mode

**NOTE:**  
Entering Dealer Program Mode is not permitted while the panel is Armed, Reporting, or the Bell Output is on. To Enter Dealer Mode while the Bell is ON or the panel is Reporting or Armed; power up the panel and enter Dealer Mode within the first 3 minutes. Pressing the **RESET** key clears the 3 minute timer.



<b>ARMED</b>	ON	Indicates the panel is in Dealer Program Mode. The panel is ready for a programming block to be entered.
<b>STATUS</b>	OFF	
<b>▲ TROUBLE</b>	FLASHING	

### Exiting Dealer Program Mode



<b>ARMED</b>	FLASHING	Indicates the panel is Ready to exit Dealer Program Mode. Enter the Dealer Code to exit.
<b>STATUS</b>	FLASHING	
<b>▲ TROUBLE</b>	FLASHING	

## Types of Programming Blocks

### LED Programming Block

Enable features by pressing the key that corresponds to the associated feature; the LED will turn ON. To disable a feature press the key again; the LED will turn OFF. To disable all features within a LED Type Programming Block press the **INSTANT** key; all LEDs will turn OFF.

#### 1 LED Programming Block Example

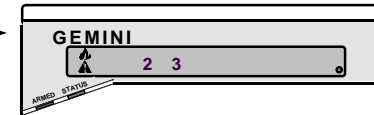
Program zones 2 and 3 as *Follower Zones*.

1. Enter Programming Block 02, by pressing **RESET** (Beep), then **0** **2** (Beep).
2. Press the **2** key to select zone 2.
3. Press the **3** key to select zone 3.

02 Exit/Entry Follower	
Default	
OFF	Zone 1
OFF   x	Zone 2
OFF   x	Zone 3
OFF	Zone 4
OFF	Zone 5
OFF	Zone 6
OFF	Zone 7
OFF	Zone 8

LED Type Programming Block

Zone 2 and Zone 3 LEDs are ON indicating that zones 2 and 3 have been programmed as follower zones.



### Direct Entry Programming Block

Enter data directly. For hexadecimal entries of A-F, use the **\*** key + **1** through **6** keys, respectively. Use the **INSTANT** key to blank out digits in Direct Entry type programming blocks. Default values are shown in parentheses.

#### 1 Direct Entry Programming Example 1

Program the panel for a 60 second *Exit Delay*.

1. Press **RESET** (Beep) **1** **0** (Beep).
2. Press **0** **6** **0**.

10 Exit Delay	
0   6   0	Exit Delay, seconds
(0) (4) (5)	Maximum Entry 255

Direct Entry Type Programming Blocks

#### 2 Direct Entry Programming Example 2

(Hexadecimal data entry)

Program *Telephone Prefix Number* with a 9E.

1. Press **RESET** (Beep) **4** **4** (Beep).
2. Press **9 P**
3. Press **\***
4. Press **5**

44 Dialing Prefix	
9	E

ARMED	OFF	Indicates the panel is in Dealer Program Mode; the next digit entered will be interpreted as a Hexadecimal digit. Valid entries are 1-6 (A-F).
STATUS	FLASHING	
TROUBLE	FLASHING	

### Viewing Data in Programming Blocks


To view data within a programming Block enter the Program Block Number, the 1st digit will be displayed. Press the **INTERIOR** key to view the 2nd digit, continue pressing the **INTERIOR** key until all digits within the Programming Block have been viewed. Data will be displayed in the binary format shown in the table below:

Value	Data Displayed	Value	Data Displayed
0/Blank	<input type="text"/>	8	<input type="text" value="4"/>
1	<input type="text" value="1"/>	9	<input type="text" value="1 4"/>
2	<input type="text" value="2"/>	*A/0	<input type="text" value="2 4"/>
3	<input type="text" value="1 2"/>	B	<input type="text" value="1 2 4"/>
4	<input type="text" value="3"/>	C	<input type="text" value="3 4"/>
5	<input type="text" value="1 3"/>	D	<input type="text" value="1 3 4"/>
6	<input type="text" value="2 3"/>	E	<input type="text" value="2 3 4"/>
7	<input type="text" value="1 2 3"/>	F	<input type="text" value="1 2 3 4"/>

**\* NOTE:**  
In the following Programming Blocks, data that has been entered as a '0' will be displayed as an 'A':  
*Subscriber ID Numbers, Phone Numbers, Pager Leading and Trailing digits and Report Codes.*

For Technical Assistance,  
Contact the NAPCO Toll  
Free Helpline ☎  
(800) 645-9440

Zone #	Bit Value
1	1
2	2
3	4
4	8

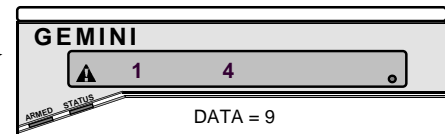
**NOTE:**  
The Following Programming Options are not permitted for UL installations: [05], [06], [23-2], [26-3] and [26-4].  
  
The  symbol by a programming Block indicates the programming option is not permitted for UL installations.

#### Example: Viewing the Dialing Prefix

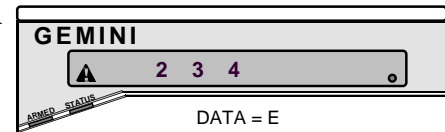
A Dialing Prefix of 9E has been programmed at Programming Block Number 44 (outside access number). Follow the steps below to view the data.:

44 Dialing Prefix

① Press **RESET**   to enter Programming Block 44. The 1st digit of Programming Block 44 is displayed.



② Press the **INTERIOR** key to view the 2nd digit.



**NOTE:**  
For information about programming blocks refer to GEM-P800 Installation Manual WI850.

## Zone Features

### 00 Exit/Entry Zones

Default

ON  Zone 1  
 OFF  Zone 2  
 OFF  Zone 3  
 OFF  Zone 4  
 OFF  Zone 5  
 OFF  Zone 6  
 OFF  Zone 7  
 OFF  Zone 8

### 03 Auto Bypass Reentry Zones

Default

OFF  Zone 1  
 OFF  Zone 2  
 OFF  Zone 3  
 OFF  Zone 4  
 OFF  Zone 5  
 OFF  Zone 6  
 OFF  Zone 7  
 OFF  Zone 8

### 06 Open Circuit Zones

Default

OFF  Zone 1  
 OFF  Zone 2  
 OFF  Zone 3  
 OFF  Zone 4  
 OFF  Zone 5  
 OFF  Zone 6

See wiring  
diagram for  
Open Circuit  
wiring.

### 09 Selective Bypass

Default

ON  Zone 1  
 ON  Zone 2  
 ON  Zone 3  
 ON  Zone 4  
 ON  Zone 5  
 ON  Zone 6  
 ON  Zone 7  
 ON  Zone 8

### 01 Home/Away with Delay Zones

Default

OFF  Zone 1  
 OFF  Zone 2  
 OFF  Zone 3  
 OFF  Zone 4  
 OFF  Zone 5  
 OFF  Zone 6  
 OFF  Zone 7  
 OFF  Zone 8

### 04 24 Hour Protection Zones

Default

OFF  Zone 1  
 OFF  Zone 2  
 OFF  Zone 3  
 OFF  Zone 4  
 OFF  Zone 5  
 OFF  Zone 6  
 OFF  Zone 7  
 OFF  Zone 8

### 07 Burg (Steady) Output

Default

ON  Zone 1  
 ON  Zone 2  
 ON  Zone 3  
 ON  Zone 4  
 ON  Zone 5  
 ON  Zone 6  
 ON  Zone 7  
 ON  Zone 8

### 02 Exit/Entry Follower Zones

Default

OFF  Zone 1  
 OFF  Zone 2  
 OFF  Zone 3  
 OFF  Zone 4  
 OFF  Zone 5  
 OFF  Zone 6  
 OFF  Zone 7  
 OFF  Zone 8

### 05 40 ms Loop Response Zones

Default

OFF  Zone 1  
 OFF  Zone 2  
 OFF  Zone 3  
 OFF  Zone 4  
 OFF  Zone 5  
 OFF  Zone 6

### 08 Programmable Output (PGM)

Default

ON  Zone 1  
 ON  Zone 2  
 ON  Zone 3  
 ON  Zone 4  
 ON  Zone 5  
 ON  Zone 6  
 ON  Zone 7  
 ON  Zone 8









## Report Codes

### 60 Zone Report Codes

Zone 1 Alarm Code

(3)

Zone 2 Alarm Code

(3)

Zone 3 Alarm Code

(3)

Zone 4 Alarm Code

(3)

Zone 5 Alarm Code

(3)

Zone 6 Alarm Code

(3)

Zone 7 Alarm Code

(3)

Zone 8 Alarm Code

(3)

### 61 Point ID Report Codes

Zone 1 Alarm Code

(3)

Zone 2 Alarm Code

(3)

Zone 3 Alarm Code

(3)

Zone 4 Alarm Code

(3)

Zone 5 Alarm Code

(3)

Zone 6 Alarm Code

(3)

Zone 7 Alarm Code

(3)

Zone 8 Alarm Code

(3)

#### NOTE:

The second digit of the Report Code is the number of the zone that is reporting. For example zone 5 report code (default of 3) would be 35.

1	FIRE
2	PANIC
3	BURGLARY
4	HOLDUP
5	GENERAL ALARM
6	RESERVED
7	GAS ALARM
8	HEAT ALARM
9	RESERVED
A	AUXILIARY
B	24 HOUR ALARM

### 62 Zone Codes

Zone 1, 2, 3, 4, 5, 6, 7 & 8 Restore Code

(E)

Zone 1, 2, 3, 4, 5, 6, 7 & 8 Trouble Code

(F)

### 63 System Report Codes

Keypad Fire (  7F  \* )

(1) (1)

Keypad AUX (  8A  \* )

(2) (3)

Keypad Panic (  9P  \* )

(2) (1)

Test Timer

(F) (F)

AC Fail

(F) (9)

Low Battery

(F) (8)

\*Trouble

(F) (1)

Fire

(1) (1)

\*See Note 1

### 64 System Restore Code

(E)

#### NOTE 1:

Includes Bell Cut, Fire Trouble, Receiver Fail-to-Respond, Receiver Tamper, Receiver JAM, Transmitter Low Battery, Transmitter Supervisory Failure, Wireless Smoke Low Battery and Wireless Smoke Supervisory Failure.

### 65 Opening and Closing Code

(C)

Closing Code

(B) Opening Code

### 66 Ambush Report Code

(2) (2)

## Enhanced Communicator Features

### 67 Telephone Number 1

Default

OFF |  Zn 1 LED ON = Opening after Alarm (Cancel Code)

OFF |  Zn 2 LED ON = Conditional Closing

OFF |  Zn 3 LED ON = Reserved

OFF |  Zn 4 LED ON = Reserved

### 68 Telephone Number 3

Default

OFF |  Zn 1 LED ON = Opening after Alarm (Cancel Code)

OFF |  Zn 2 LED ON = Conditional Closing

OFF |  Zn 3 LED ON = Reserved

OFF |  Zn 4 LED ON = Reserved



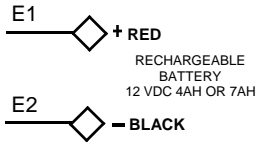


# GEM-P800 WIRING DIAGRAM

(REFER TO INSTALLATION INSTRUCTIONS WI850)



This equipment should be installed in accordance with Chapter 2 of the National Fire Alarm Code, ANSI/NFPA 72-1993 (National Fire Protection Association Batterymarch Park, Quincy MA 02269), and local codes. Information describing proper installation, operation, testing, maintenance, evacuation planning, and repair service is to be provided with this equipment. UL Listed Energy Cable is required.

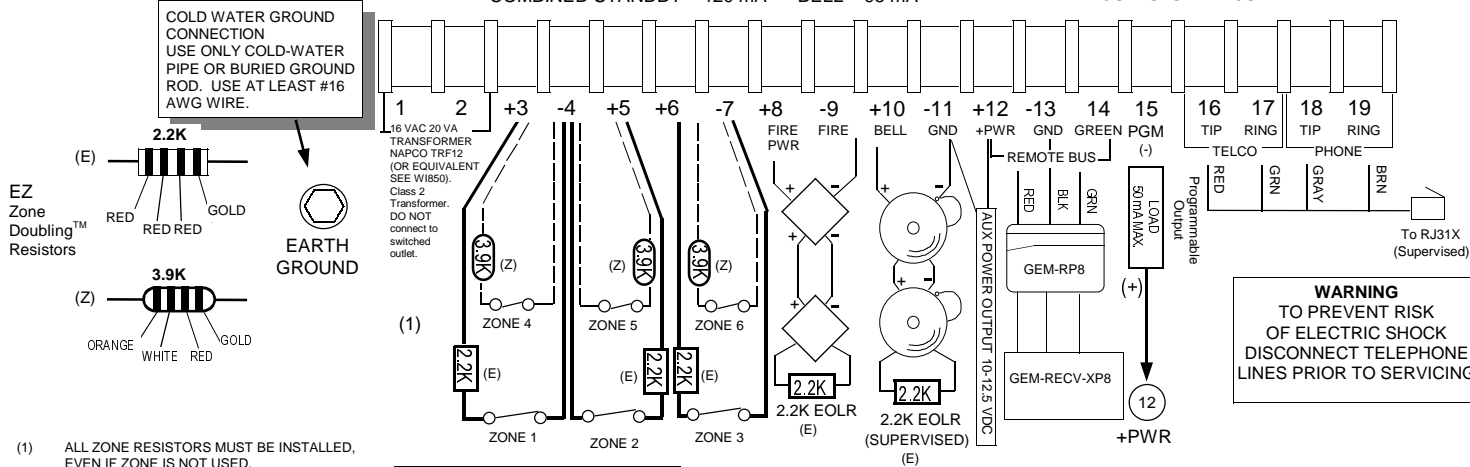


**RESIDENTIAL BURG (4 HOUR STANDBY)**  
COMBINED STANDBY = 500 mA BELL = 2.0 AMP

**RESIDENTIAL FIRE (4 HOUR STANDBY)<sup>(2)</sup>**  
COMBINED STANDBY = 500 mA BELL = 65 mA

**RESIDENTIAL FIRE (24 HOUR STANDBY)<sup>(3)</sup>**  
COMBINED STANDBY = 120 mA BELL = 95 mA

ALL OUTPUTS ARE CURRENT LIMITED



**WARNING**  
TO PREVENT RISK OF ELECTRIC SHOCK DISCONNECT TELEPHONE LINES PRIOR TO SERVICING

- (1) ALL ZONE RESISTORS MUST BE INSTALLED, EVEN IF ZONE IS NOT USED.
- (2) COMBINED STANDBY = KEYPAD CURRENT + AUX POWER CURRENT + FIRE POWER + PGM CURRENT.
- (3) 24 HOUR STANDBY REQUIRES A 7AH BATTERY.

