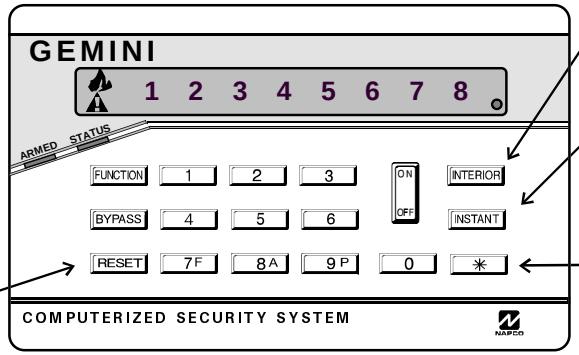
GEM-P800 Programming Instructions

Note: These Programming Instruction 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.

Enter FUNCTION 8 A + Dealer Code ( ) ( ) ( ) ( ) ON/OFF →

(4) (5) (6) (7)

Default Dealer Code shown in parentheses

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

Exiting Dealer Program Mode

Enter RESET FUNCTION 8 A Dealer Code ( ) ( ) ( ) ( ) ON/OFF →

(4) (5) (6) (7)

ARMED	FLASHING	Indicates the panel is Ready to exit Dealer Program Mode. Enter the Dealer Code to exit.
STATUS	FLASHING	
TROUBLE	FLASHING	

WI851A 8/97

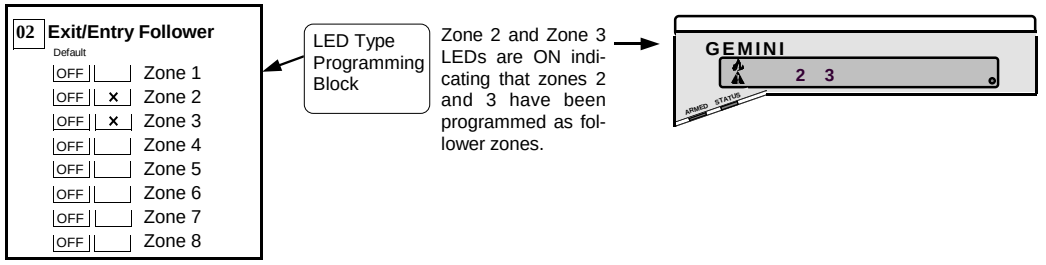
Types of Programming Blocks

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.

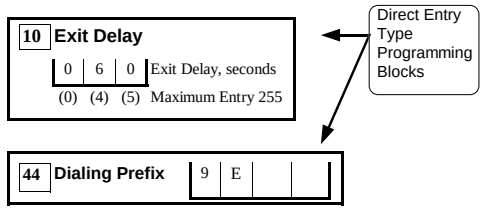


Direct Entry Programming Block

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.

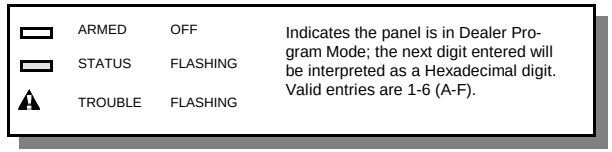
1 Direct Entry Programming Example 1
Program the panel for a 60 second *Exit Delay.*

1. Press [RESET] (Beep) [1] [0] (Beep).
2. Press [0] [6] [0].



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]



2

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		8	4
1	1	9	1 4
2	2	*A/0	2 4
3	1 2	B	1 2 4
4	3	C	3 4
5	1 3	D	1 3 4
6	2 3	E	2 3 4
7	1 2 3	F	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.*

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

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

NOTE: The Following Programming Options are not permitted for UL installations: [05], [06], [23-2], [26-3] and [26-4].

The (UL) symbol by a programming Block indicates the programming option is not permitted for UL installations.

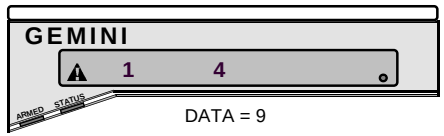
NOTE: For information about programming blocks refer to GEM-P800 Installation Manual WI850.

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.:

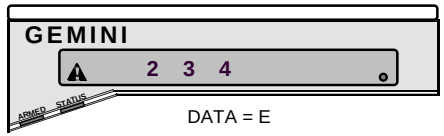
44	Dialing Prefix	9	E		

(1) Press RESET 4 4 to enter Programming Block 44. The 1st digit of Programming Block 44 is displayed.



DATA = 9

(2) Press the INTERIOR key to view the 2nd digit.



DATA = E

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

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

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

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

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

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

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.

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

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

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

System Times

10 Exit Delay

[ ][ ][ ] Exit Delay, seconds
(0) (4) (5) Maximum Entry 255

11 Entry Delay

[ ][ ][ ] Entry Delay, seconds
(0) (3) (0) Maximum Entry 255

12 Burg (Steady) Output Time-out

[ ][ ][ ] Bell Time-out, minutes
(0) (0) (5) Maximum Entry 255

13 Fire (Pulsed) Output Time-out

[ ][ ][ ] Bell Time-out, minutes
(0) (0) (0) Maximum Entry 255

14 Test Timer Interval

[ ][ ][ ] Test Timer, days
(0) (0) (1) Maximum Entry 255

15 Line Cut Time-to-Fail (Disabled = 000)

[ ][ ][ ] Line Cut Time-to-Fail, seconds
(0) (0) (0) **Enable Feature**-Valid Entries 10-255

16 Wireless Supervisory Timer

[ ][ ] Supervisory Timer, hours
(1) (2) Maximum Entry 26

17 Wireless Smoke Supervisory Timer

[ ] Smoke Supervisory Timer, hours
(8) Maximum Entry 8

18 Test Timer Offset

[ ][ ] Test Timer Offset, hours
(1) (2) Maximum Entry 23

System Features

20 Keypad Features 1

Default
OFF [ ] Zn 1 LED ON = *****Keypad Fire (7 F *)
OFF [ ] Zn 2 LED ON = *****Keypad AUX (8 A *)
ON [ ] Zn 3 LED ON = *Keypad Panic (9 P *)
OFF [ ] Zn 4 LED ON = *****Ambush (8th User Code)
*See Note 1

21 Keypad Features 2

Default
ON [ ] Zn 1 LED ON = Audible panic
OFF [ ] Zn 2 LED ON = Exit/Entry with Urgency
ON [ ] Zn 3 LED ON = Display Bypass (ARMED)
OFF [ ] Zn 4 LED ON = Disable Code Entry Beeps

22 Miscellaneous Features 1

Default
OFF [ ] Zn 1 LED ON = Abort Delay
ON [ ] Zn 2 LED ON = Easy Arm/Easy Exit
ON [ ] Zn 3 LED ON = Swinger Shutdown
OFF [ ] Zn 4 LED ON = Bell on Line Cut (Armed)

NOTE 1:
Additional programming required for reporting, see Blocks [36]&[56].
UL Installations: If Keypad Fire [20-1] is enabled, the keypad must be mounted within (3) three feet from the Control Panel.

23 Programmable Output (PGM) Features 1

Default
OFF [ ] Zn 1 LED ON = Audio Verification
UL OFF [ ] Zn 2 LED ON = *Access Output (FUNCTION 3)
OFF [ ] Zn 3 LED ON = *Follow Keypad Sounder
OFF [ ] Zn 4 LED ON = *Keyfob/Keyswitch Chirp
*See Note 2

24 Programmable Output (PGM) Features 2

Default
OFF [ ] Zn 1 LED ON = Fire
OFF [ ] Zn 2 LED ON = AUX
OFF [ ] Zn 3 LED ON = Panic
OFF [ ] Zn 4 LED ON = Test Timer

25 Programmable Output (PGM) Features 3

Default
OFF [ ] Zn 1 LED ON = AC Fail
OFF [ ] Zn 2 LED ON = Low Battery
OFF [ ] Zn 3 LED ON = *Trouble
OFF [ ] Zn 4 LED ON = Armed
*See Note 3

26 Miscellaneous Features 2

Default
OFF [ ] Zn 1 LED ON = Momentary Keyswitch Arming
OFF [ ] Zn 2 LED ON = Reserved
UL OFF [ ] Zn 3 LED ON = Inhibit Fail to Communicate
UL OFF [ ] Zn 4 LED ON = Inhibit Low Battery Display

NOTE 2:
Cannot be programmed with any other Programmable Output (PGM) Feature.

NOTE 3:
Includes Bell Cut, Fire Trouble, Receiver Fail-to-Respond, Receiver Tamper, Receiver JAM, Transmitter Low Battery, Transmitter Supervisory Faliure, Wireless Smoke Low Battery and Wireless Smoke Supervisory Failure.

Telephone Number 1 Programming

30 Subscriber ID Number

31 Telephone Number 1

NOTE:
A fixed Dial Tone Detection (E) is included prior to the *Dialing Prefix* (Block Number 44). Programming an E is not required for Telco 1, Telco 2 and Telco 3. If dial tone detection is not desired select *No Dial Tone Detection* in Communicator Features (Block Number 46). Program a D if a 4 second delay is required.

32 Receiver Format

[0]	Disabled
[1]	Ademco Slow
[2]	Radionics Slow
[3]	Silent Knight Fast
[4]	Universal High Speed
[5]	Reserved
[6]	Point ID
[7]	Pager

→ [ ] (4)

33 Receiver Options

Default

ON [ ] Zn 1 LED ON = 2300 Hz Handshake/Kissoff
OFF [ ] Zn 2 LED ON = Sumcheck
OFF [ ] Zn 3 LED ON = Single Digit
OFF [ ] Zn 4 LED ON = No Handshake

34 Zone Report, Telco 1

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

35 Zone Restore Report, Telco 1

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

36 System Reporting, Telco 1

Default

OFF [ ] Zn 1 LED ON = *KP Fire (7F *)
OFF [ ] Zn 2 LED ON = *KP AUX (8A *)/Ambush
ON [ ] Zn 3 LED ON = *KP Panic (9P *)
OFF [ ] Zn 4 LED ON = Test Timer

37 System Reporting, Telco 1

Default

OFF [ ] Zn 1 LED ON = AC Fail Report (15 min. report delay)
ON [ ] Zn 2 LED ON = Low Battery Report
OFF [ ] Zn 3 LED ON = *Trouble Report
ON [ ] Zn 4 LED ON = Fire Report
*See Note 2

38 System Restore Report, Telco 1

Default

OFF [ ] Zn 1 LED ON = AC Restore Report
OFF [ ] Zn 2 LED ON = Battery Restore Report
OFF [ ] Zn 3 LED ON = Trbl Restore Report
OFF [ ] Zn 4 LED ON = Fire Restore Report

39 Opening Closing Report, Telco 1

Default

OFF [ ] Zn 1 LED ON = User 1 Reporting
OFF [ ] Zn 2 LED ON = User 2 Reporting
OFF [ ] Zn 3 LED ON = User 3 Reporting
OFF [ ] Zn 4 LED ON = User 4 Reporting
OFF [ ] Zn 5 LED ON = User 5 Reporting
OFF [ ] Zn 6 LED ON = User 6 Reporting
OFF [ ] Zn 7 LED ON = User 7 Reporting
OFF [ ] Zn 8 LED ON = User 8 Reporting

NOTE 1:
Requires features to be enabled, see block [20].

NOTE 2:
Includes Bell Cut, Fire Trouble, Receiver Fail-to-Respond, Receiver Tamper, Receiver JAM, Transmitter Low Battery, Transmitter Supervisory Faliure, Wireless Smoke Low Battery, Wireless Smoke Supervisory Failure.

ZONE 3 TX LOW BATTERY "RF TRAN LOW BAT, ZN03"
SMOKE 2 LOW BATTERY "RF TRAN LOW BAT, ZN10"

Backup Telephone Programming

40 Subscriber ID Number (Telco 2)

41 Telephone Number 2

NOTE:
A fixed Dial Tone Detection (E) is included prior to the *Dialing Prefix* (Block Number 44). Programming an E is not required for Telco 1, Telco 2 and Telco 3. If dial tone detection is not desired select *No Dial Tone Detection* in Communicator Features (Block Number 46). Program a D if a 4 second delay is required.

42 Receiver Format

[1]	Ademco Slow
[2]	Radionics Slow
[3]	Silent Knight Fast
[4]	Universal High Speed
[5]	Reserved
[6]	Point ID
[7]	Pager

(4)

43 Receiver Options

Default

ON | Zn 1 LED ON = 2300 Hz Handshake/Kissoff
OFF | Zn 2 LED ON = Sumcheck
OFF | Zn 3 LED ON = Single Digit
OFF | Zn 4 LED ON = No Handshake

44 Dialing Prefix

Dialing Prefix for Telco 1, Telco 2 & Telco 3.

45 Communicator Features 1

Default

ON | Zn 1 LED ON = Communicator Enabled
ON | Zn 2 LED ON = DTMF w/ Rotary Back up
OFF | Zn 3 LED ON = DTMF only
OFF | Zn 4 LED ON = Backup to Telco 2

46 Communicator Features 2

Default

OFF | Zn 1 LED ON = No Dial Tone Detection
OFF | Zn 2 LED ON = 2:1 Rotary Dialing
OFF | Zn 3 LED ON = Backup if < 4 attempts
OFF | Zn 4 LED ON = Reserved

Pager Programming

47 Leading Digits

(0) (0) (0) (0)

48 Trailing Digits

*(C) *See Note 1

49 Pager Option

Default

OFF | Zn 1 LED ON = Skip Alarm Data
OFF | Zn 2 LED ON = Reserved
OFF | Zn 3 LED ON = Reserved
OFF | Zn 4 LED ON = Reserved

NOTE 1:
C = TouchTone #. This is the typical terminating digit for most paging systems. Recommended, but may not be required by paging system. D = 2 second delay.

Telephone Number 3 Programming

50 Subscriber ID Number

51 Telephone Number 3

NOTE:
A fixed Dial Tone Detection (E) is included prior to the *Dialing Prefix* (Block Number 44). Programming an E is not required for Telco 1, Telco 2 and Telco 3. If dial tone detection is not desired select *No Dial Tone Detection* in Communicator Features (Block Number 46). Program a D if a 4 second delay is required.

52 Receiver Format

[0]	Disabled
[1]	Ademco Slow
[2]	Radionics Slow
[3]	Silent Knight Fast
[4]	Universal High Speed
[5]	Reserved
[6]	Point ID
[7]	Pager

→ [ ] (4)

53 Receiver Options

Default

ON [ ] Zn 1 LED ON = 2300 Hz Handshake/Kissoff
OFF [ ] Zn 2 LED ON = Sumcheck
OFF [ ] Zn 3 LED ON = Single Digit
OFF [ ] Zn 4 LED ON = No Handshake

54 Zone Report, Telco 3

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

55 Zone Restore Report, Telco 3

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

56 System Reporting, Telco 3

Default

OFF [ ] Zn 1 LED ON = *KP Fire (7F *)
OFF [ ] Zn 2 LED ON = *KP AUX (8A *)/Ambush
OFF [ ] Zn 3 LED ON = *KP Panic (9P *)
OFF [ ] Zn 4 LED ON = Test Timer
*See Note 1

57 System Reporting, Telco 3

Default

OFF [ ] Zn 1 LED ON = AC Fail Report (15 min. report delay)
OFF [ ] Zn 2 LED ON = Low Battery Report
OFF [ ] Zn 3 LED ON = *Trouble Report
OFF [ ] Zn 4 LED ON = Fire Report
*See Note 2

58 System Restore Report, Telco 3

Default

OFF [ ] Zn 1 LED ON = AC Restore Report
OFF [ ] Zn 2 LED ON = Battery Restore Report
OFF [ ] Zn 3 LED ON = Trbl Restore Report
OFF [ ] Zn 4 LED ON = Fire Restore Report

59 Opening Closing Report, Telco 3

Default

OFF [ ] Zn 1 LED ON = User 1 Reporting
OFF [ ] Zn 2 LED ON = User 2 Reporting
OFF [ ] Zn 3 LED ON = User 3 Reporting
OFF [ ] Zn 4 LED ON = User 4 Reporting
OFF [ ] Zn 5 LED ON = User 5 Reporting
OFF [ ] Zn 6 LED ON = User 6 Reporting
OFF [ ] Zn 7 LED ON = User 7 Reporting
OFF [ ] Zn 8 LED ON = User 8 Reporting

NOTE 1:
Requires features to be enabled, see block [20].

NOTE 2:
Includes Bell Cut, Fire Trouble, Receiver Fail-to-Respond, Receiver Tamper, Receiver JAM, Transmitter Low Battery, Transmitter Supervisory Faliure, Wireless Smoke Low Battery, Wireless Smoke Supervisory Failure.

ZONE 3 TX LOW BATTERY "RF TRAN LOW BAT, ZN03"
SMOKE 2 LOW BATTERY "RF TRAN LOW BAT, ZN10"

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)

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.

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)

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 Faliure, 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

Wireless

Transmitters

		RF ID #	Point
71	Zone 1		
72	Zone 2		
73	Zone 3		
74	Zone 4		
75	Zone 5		
76	Zone 6		
77	Zone 7		
78	Zone 8		

Enter the RF ID# located on the Transmitter, Key Fob and Smoke Detector labels.

RF ID # XXXXXX:X

Enter the point number to be associated with the zone. If only one point of GEM-TRANS2 is used, enter a **1** in this location. For GEM-GB, GEM-DT, GEM-PIR enter a **1** in this location.

Programming Example

Map point 1 of a window door transmitter, with RF ID# 0012B0:0 to Zone 3.

73 Zone 3 | 0 | 0 | 1 | 2 | B | 0 | :0 | 1 |

1. Enter Dealer Mode.
2. Enter RESET (beeps) 7F 3 (beeps)
3. Enter 0 0 1 2 ✳ 2 0 0
4. Enter 1 (beeps)

Hexadecimal B Entry

Note: If the RF ID# in step 3 is not entered correctly the keypad will emit a 1 second tone indicating incorrect entry. Repeat steps 2 - 4 above.

Keyfobs

		RF ID #	AUX 1	AUX 2
81	Keyfob 1			
82	Keyfob 2			
83	Keyfob 3			
84	Keyfob 4			

AUX 1 & 2 Programming

1 Panic
2 AUX
3 Bell ON
4 PGM
5 Instant
6 Access on PGM
7 Full Set System
8 Interior

Smoke Detectors

		RF ID #
85	Smoke 1	
86	Smoke 2	
87	Smoke 3	
88	Smoke 4	

Hexadecimal Data Entry

To Enter a hexadecimal digit enter the following: A= ✳ 1 B= ✳ 2 C= ✳ 3 D= ✳ 4 E= ✳ 5 F= ✳ 6

Downloading

90 **Callback Telephone Number**

91 **Ring Count**

(0) (9) Maximum Entry 15

92 **Downloading Features**

Default

ON	____	Zn 1 LED ON = Ring Method
OFF	____	Zn 2 LED ON = Answering Machine override
OFF	____	Zn 3 LED ON = Function 6 (FUNCTION 6) Download
OFF	____	Zn 4 LED ON = Signal Strength Test Mode

93 **Auto Download ID Number**

Dealer Programming

94 **Dealer Code**

(4) (5) (6) (7)

95 **User 1 Code**

(1) (2) (3) (4)

96 **Dealer Options 1**

Default

OFF	____	Zn 1 LED ON = Dealer Code Lockout
ON	____	Zn 2 LED ON = User 1 Code Lockout
OFF	____	Zn 3 LED ON = UL Household Fire
OFF	____	Zn 4 LED ON = Fire Trouble on Fire LED

97 **Dealer Options 2**

Default

OFF	____	Zn 1 LED ON = *International Dialing Protocol
OFF	____	Zn 2 LED ON = *Invert Bell Output
OFF	____	Zn 3 LED ON = System Trouble Auto Reset
OFF	____	Zn 4 LED ON = User 1 Code-Program only

*See Note 1

98 **Number of Re-Dials**

(9)

NOTE 1:
International Features

GEM-P800 WIRING DIAGRAM

(REFER TO INSTALLATION INSTRUCTIONS WI850)

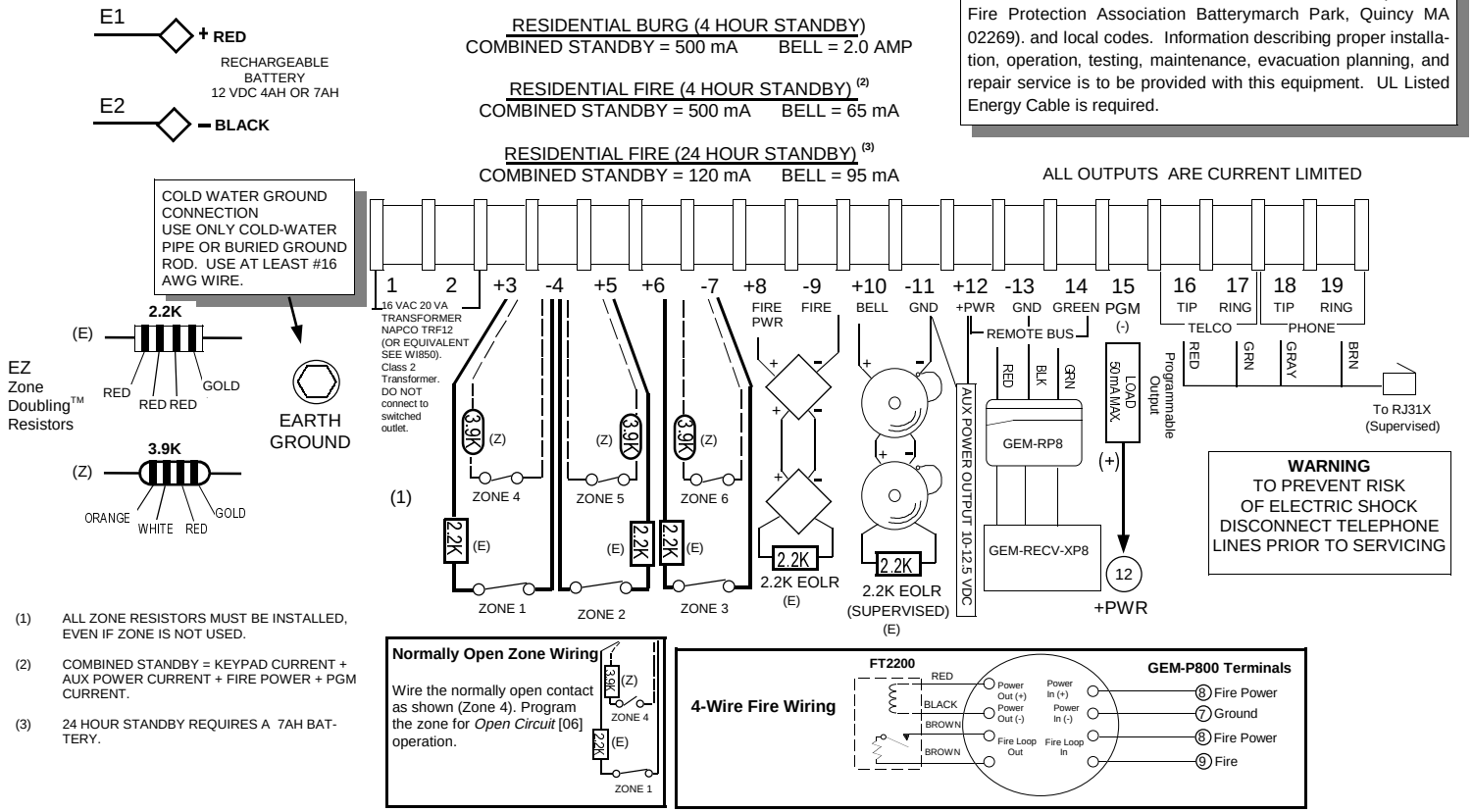
This equipment should be installed in accordance with Chapter 2 of the National Fire Alarm Code, ANSI/NFPA 72-1993 (National Fire Protection Association Batterymarch Park, Quincy MA 02269). and local codes. Information describing proper installation, operation, testing, maintenance, evacuation planning, 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) (2)
COMBINED STANDBY = 500 mA BELL = 65 mA

RESIDENTIAL FIRE (24 HOUR STANDBY) (3)
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.

Normally Open Zone Wiring

Wire the normally open contact as shown (Zone 4). Program the zone for *Open Circuit* [06] operation.

4-Wire Fire Wiring