

GEM-P400 Programming Instructions

Note: These Programming Instruction are intended to be used in conjunction with WI879A, please refer to WI879A for additional information, instructions and definitions.

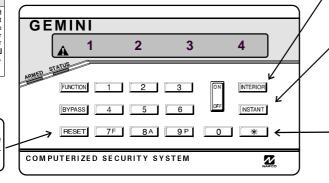
DEALER PROGRAM MODE - KEYPAD KEY DEFINITION

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 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= <u>*</u> 5
C=	* 3	F= <u>*</u> 6

DEFAULTING THE PANEL

- 1. Remove power from the panel.
- Remove all wiring from terminal 15 (PGM) and terminal 3.
- Connect terminal 15 (PGM) to terminal 3.
- Apply power to the GEM-P400 control panel.
- After a few seconds the ARMED, READY and ASYSTEM TROU-
- BLE LEDs will flash.
- The keypad will beep 3 times indicating the panel default values have been loaded.
- 7. Remove wiring between terminal 15 (PGM) and terminal 3.
- Re-install original wiring for terminal 15 (PGM) and terminal 3.

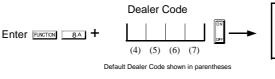
Note: Any programming in Dealer Options 1 [96] and Dealer Options 2 [97] will not be defaulted. If Dealer Code Lockout has been programmed the panel will not default the Dealer Code.

Entering Dealer Program Mode

Note:

Entering Dealer Program Mode is <u>not</u> 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 aminutes. Pressing the <u>Tems</u> key clears the 3 minute times: 3

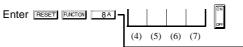
Exiting Dealer Program Mode





Indicates the panel is in Dealer Program Mode. The panel is ready for a programming block to be entered.





ARMED FLASHING

STATUS FLASHING

FLASHING

TROUBLE

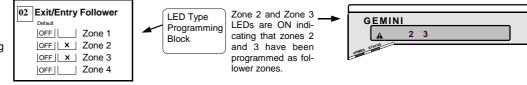
Indicates the panel is Ready to exit Dealer Program Mode. Enter the Dealer Code to exit.

Types of Programming Blocks

LED Programming Block

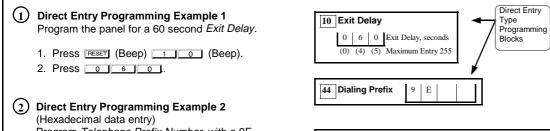
Enable features by pressing the key that corresponds to the associated feature; the LED will turn ON. To disable a feature press the key again; the LED will turn OFF. To disable all features within a LED Type Programming Block press the styring key; all LEDs will turn OFF.

- **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.





the key to blank out digits in Direct Entry type programming blocks. Default values are shown in parentheses.



- Program Telephone Prefix Number with a 9E.
 - 1. Press RESET (Beep) 4 4 (Beep).
 - 2. Press 9P

 - 4. Press 5

TROUBLE FLASHING

OFF

FLASHING

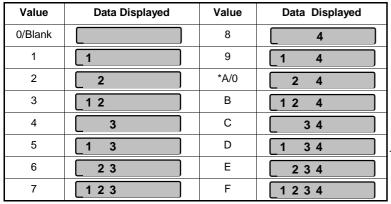
ARMED

STATUS

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).

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 key to view the 2nd digit, continue pressing the key until all digits within the Programming Block have been viewed. Data will be displayed in the binary format shown in the table below:



* 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

2

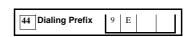
For Technical Assistance, Contact the NAPCO Toll Free Helpline (800) 645-9440

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::

Press FESET 4 to enter Programming Block 44. The 1st digit of Programming Block 44 is displayed.

2 Press the MERION key to view the 2nd digit.



GEMINI

A 1 4

DATA = 9



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.

NOTE:

For information about programming blocks refer to GEM-P400 Installation Manual WI879A.

Zone Features

00 Exit/Entry Zones

Default ON

OFF

ON Zone 1
OFF Zone 2
OFF Zone 3

03 Auto Bypass Reentry Zones

OFF Zone 1
OFF Zone 2
OFF Zone 3

OFF Zone 4

№ 06 Open Circuit Zones

Default
OFF Zone 1

OFF Zone 2
OFF Zone 3

OFF Zone 4

See wiring diagram for Open Circuit wiring.

01 Home/Away with Delay Zones Default

Zone 4

OFF Zone 1
OFF Zone 2

OFF Zone 3

24 Hour Protection Zones

Default

OFF Zone 1

OFF Zone 3

07 Burg (Steady) Output

Default ON

ON Zone 1

ON Zone 3

02 Exit/Entry Follower Zones Default

| OFF | Zone 1 | Zone 2 | OFF | Zone 3 | OFF | Zone 4

№ 05 40 ms Loop Response Zones

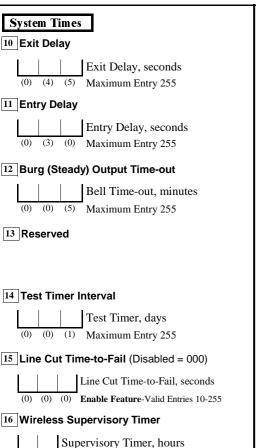
 Programmable Output (PGM)

Default

ON Zone 1

ON Zone 3

ON Zon



(1) (2) Maximum Entry 26

System Features 20 Keypad Features 1 Default OFF OFF ON OFF *See Note 1 21 Keypad Features 2 Default ON OFF ON 22 Miscellaneous Features 1 Default OFF ON OFF

23 Programmable Output (PGM) Features 1 Default

Zn 1 LED ON = *Keypad Panic 2 (7F *)

Zn 2 LED ON = *Keypad AUX (84 *)

Zn 3 LED ON = *Keypad Panic (9P *)

Zn 4 LED ON = *Ambush (4th User Code)

Zn 2 LED ON = Exit/Entry with Urgency

Zn 3 LED ON = Display Bypass (ARMED)

Zn 4 LED ON = Disable Code Entry Beeps

Zn 1 LED ON = Audible panic

Zn 1 LED ON = Abort Delay

Zn 2 LED ON = Easy Arm/Easy Exit

Zn 3 LED ON = Swinger Shutdown

Zn 4 LED ON = Bell on Line Cut (Armed)

OFF Zn 1 LED ON = Audio Verification (N) OFF Zn 2 LED ON = *Access Output (RACTION 3) Zn 3 LED ON = *Follow Keypad Sounder OFF Zn 4 LED ON = *Keyfob/Keyswitch Chirp

*See Note 2

NOTE 1: Additional programming required for reporting, see Blocks [36]&[56].

24 Programmable Output (PGM) Features 2

Default OFF 7n 1 I FD ON = Reserved OFF 7n2IFDON = AUXOFF 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 L ED ON = *Trouble Zn 4 LED ON = Armed OFF *See Note 3

26 Miscellaneous Features 2

Default OFF Zn 1 LED ON = Momentary Keyswitch Arming OFF 7n 2 I FD ON = Reserved

(N) |OFF | Zn 3 LED ON = Inhibit Fail to Communicate

(N) 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. Receiver Fail-to-Respond, Receiver Tamper, Receiver JAM, Transmitter Low Battery and Transmitter Supervisory Faliure.

Telephone Number 1 Programming

30 Subscriber ID Number

1	l	

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 Teleo 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



[2] Radionics Slow

[3] Silent Knight Fast

[4] Universal High Speed

[5] Reserved

[6] Point ID

[7] Pager

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/Pager Extend

Zone Report, Telco 1

Default

ON Zone 1

ON Zone 2

ON Zone 3

ON Zone 4

35 Zone Restore Report, Telco 1

Default

OFF Zone 1

OFF Zone 2

OFF Zone 3

OFF Zone 4

36 System Reporting, Telco 1

Default

OFF Zn 1 LED ON = *KP Panic 2 (7F *)

OFF Zn 2 LED ON = *KP AUX (84) *)/Ambush

ON Zn 3 LED ON = *KP Panic (9P * *)

OFF Zn 4 LED ON = Test Timer

*See Note 1

NOTE 1:

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

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

OFF Zn 4 LED ON = Reserved

*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

39 Opening Closing Report, Telco 1

Default

OFF Zn 1 LED ON = User 1 Reporting

OFF Zn 2 LED ON = User 2 Reporting

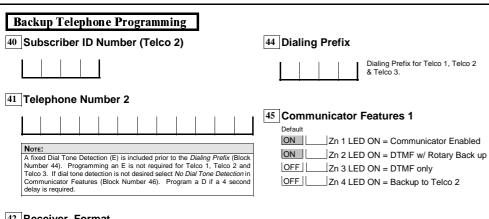
OFF Zn 3 LED ON = User 3 Reporting

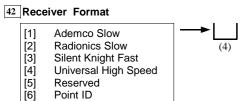
OFF Zn 4 LED ON = User 4 Reporting

NOTE 2:

Includes Bell Cut, Receiver Fail-to-Respond, Receiver Tamper, Receiver JAM, Transmitter Low Battery and Transmitter Supervisory Faliure.

ZONE 3 TX LOW BATTERY "RF TRAN LOW BAT, ZN03"







43 Receiver Options

Pager

[7]

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 Teleo 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

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/Pager Extend

Zone Report, Telco 3

Default

OFF Zone 1

OFF Zone 2

OFF Zone 3

OFF Zone 4

Zone Restore Report, Telco 3

Default

OFF Zone 1

OFF Zone 2

OFF Zone 3

OFF Zone 4

56 System Reporting, Telco 3

Default

OFF Zn 1 LED ON = *KP Panic 2 (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 = Reserved

*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 | 7n 4 I FD ON = Reserved

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

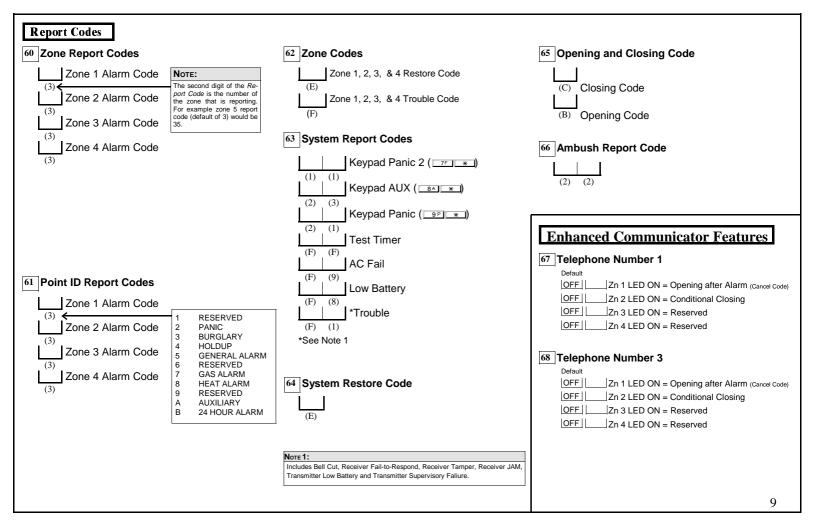
NOTE 1:

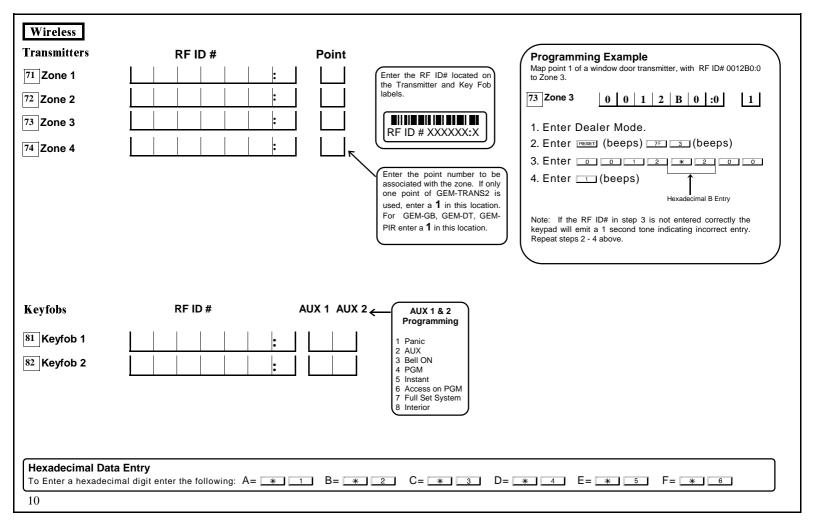
Requires features to be enabled, see block [20].

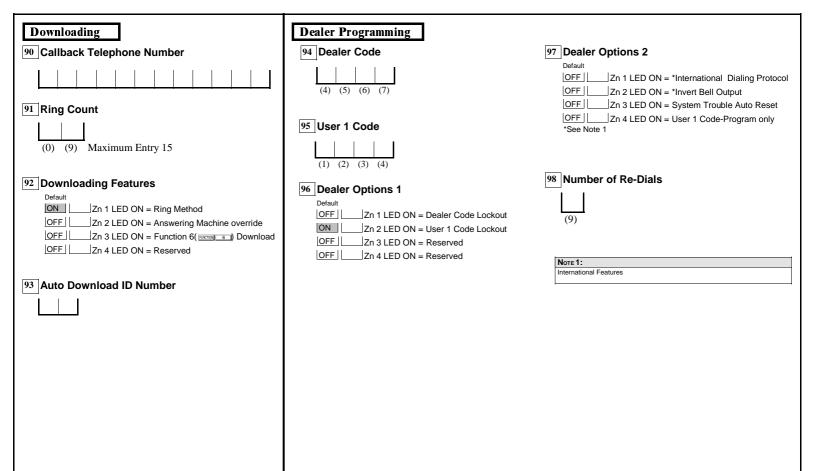
NOTE 2:

Includes Bell Cut, Receiver Fail-to-Respond, Receiver Tamper, Receiver JAM, Transmitter Low Battery and Transmitter Supervisory Faliure.

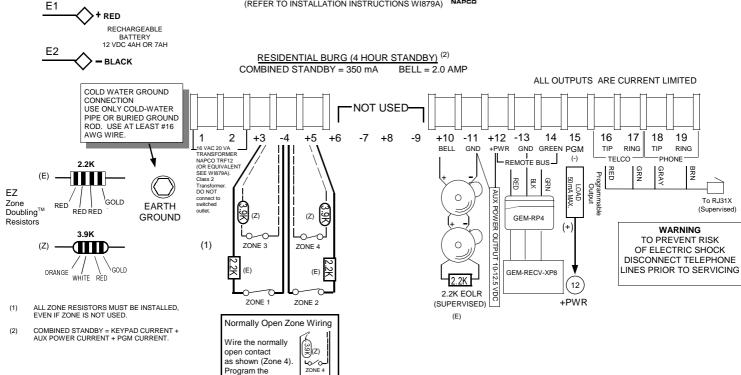
ZONE 3 TX LOW BATTERY "RF TRAN LOW BAT, ZN03"







GEM-P400 WIRING DIAGRAM (REFER TO INSTALLATION INSTRUCTIONS WI879A)



zone for

Open Circuit [06] operation.

22K (E)

ZONE 1