XP-400 Programming Instructions

NAPCO ®

Note: These Programming Instruction are intended to be used in conjunction with WI854C, please refer to WI854C for additional information, instructions and definitions.

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 **B** key to return to Dealer

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 XP-400 control panel.
5. After a few seconds the ARMED, READY and **j** 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 <u>not</u> default the Dealer Code.

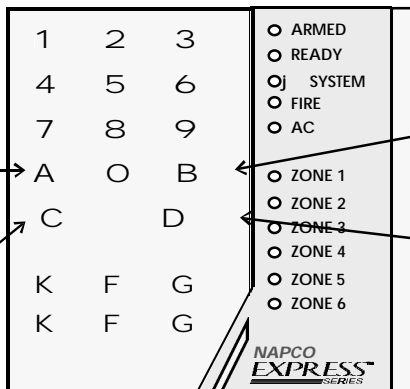## DEALER PROGRAM MODE - KEYPAD KEY DEFINITION

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

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

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

Keypad layout:
1 2 3
4 5 6
7 8 9
A O B
C D
K F G
K F G

○ ARMED
○ READY
○**j** SYSTEM
○ FIRE
○ AC

○ ZONE 1
○ ZONE 2
○ ZONE 3
○ ZONE 4
○ ZONE 5
○ ZONE 6

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

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.

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 3 minutes. Pressing the **b** key clears the 3 minute timer.

Exiting Dealer Program Mode

Enter **A 8** +

Dealer Code
|__|__|__|__|
(4) (5) (6) (7)

Default Dealer Code shown in parentheses

● ARMED   ON
○ READY   OFF
○ ✓ SYSTEM   FLASHING

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

Enter **B A 8**

Dealer Code
|__|__|__|__|
(4) (5) (6) (7)

○ ARMED   FLASHING
○ READY   FLASHING
○ ✓ SYSTEM   FLASHING

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

WI854C 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 **D** 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 **B** (Beep), then **O 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 ×	Zone 2
OFF ×	Zone 3
OFF	Zone 4

LED Type Programming Block

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

○ ZONE 1
● ZONE 2
● ZONE 3
○ ZONE 4

Direct Entry Programming Block

Enter data directly. For hexadecimal entries of A-F, use the **A** key + **1** through **6** keys, respectively. Use the **D** 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 **B** (Beep) **1 O** (Beep)
2. Press **O 6 O** .

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

Direct Entry Type Programming Blocks

44	Dialing Prefix	9	E		

② Direct Entry Programming Example 2
(Hexadecimal data entry)
Program *Telephone Prefix Number* with a 9E.

1. Press **B** (Beep) **4 4** (Beep).
2. Press **9**
3. Press **A**
4. Press **5**

○	ARMED	OFF
◐	READY	FLASHING
◐	✓ SYSTEM	FLASHING

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

2

To view data within a programming Block, enter the Program Block Number, then press the **C** key, continue pressing the **C** key until all digits within the Pro-gramming Block have been viewed. Data will be displayed in the binary format shown in the table below:

	0/Blank		1	2	3	4	5	6	7	8	9	*A/0	B	C	D	E	F
ZONE 1	○	○	●	○	●	○	●	●	○	●	○	○	●	○	●	○	●
ZONE 2	○	○	○	●	●	○	○	●	●	○	○	●	●	●	○	○	●	●
ZONE 3	○	○	○	○	○	●	●	○	●	○	○	○	○	○	●	●	●	●
ZONE 4	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●	●	●

● ZONE LED ON   ○ ZONE LED OFF

* 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

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 **B** **4** **4** to enter Programming Block 44. The 1st digit of Programming Block 44 is displayed.

Data = 9
● ZONE 1
○ ZONE 2
○ ZONE 3
● ZONE 4

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

Data = E
○ ZONE 1
● ZONE 2
● ZONE 3
● ZONE 4

NOTE:
The Following Programming Options are not permitted for UL installations: [05], [06], [23-2], [26-4] 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 XP-600 Installation Manual WI854C.

3

Zone Features

00 Exit/Entry Zones
Default
ON		Zone 1
OFF		Zone 2
OFF		Zone 3
OFF		Zone 4

03 Auto Bypass Reentry Zones
Default
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
OFF		Zone 1
OFF		Zone 2
OFF		Zone 3
OFF		Zone 4

04 24 Hour Protection Zones
Default
OFF		Zone 1
OFF		Zone 2
OFF		Zone 3
OFF		Zone 4

07 Burg (Steady) Output
Default
ON		Zone 1
ON		Zone 2
ON		Zone 3
ON		Zone 4

02 Exit/Entry Follower Zones
Default
OFF		Zone 1
OFF		Zone 2
OFF		Zone 3
OFF		Zone 4

05 40 ms Loop Response Zones
Default
OFF		Zone 1
OFF		Zone 2
OFF		Zone 3
OFF		Zone 4

08 Programmable Output (PGM)
Default
ON		Zone 1
ON		Zone 2
ON		Zone 3
ON		Zone 4

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 Reserved

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

System Features

20 Keypad Features 1

Default
OFF | | Zn 1 LED ON = *Keypad Panic 2 (ᴋ ᴋ)
OFF | | Zn 2 LED ON = *Keypad AUX (ꜰ ꜰ)
ON | | Zn 3 LED ON = *Keypad Panic (ɢ ɢ)
OFF | | Zn 4 LED ON = *Ambush (4th 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)

23 Programmable Output (PGM) Features 1

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

24 Programmable Output (PGM) Features 2

Default
OFF | | Zn 1 LED ON = Reserved
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
Ⓝ OFF | | Zn 3 LED ON = Inhibit Fail to Communicate
Ⓝ OFF | | Zn 4 LED ON = Inhibit Low Battery Display

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

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.

5

Telephone Number 1 Programming

30 Subscriber ID Number

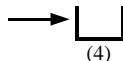|				

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/Pager Extend

34 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 (K K)
OFF ☐ Zn 2 LED ON = *KP AUX (f f)/Ambush
ON ☐ Zn 3 LED ON = *KP Panic (g G)
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
OFF ☐ Zn 4 LED ON = Reserved

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"

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
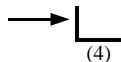
46 **Communicator Features 2**

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

Telephone Number 3 Programming

50 **Subscriber ID Number**

51 **Telephone Number 3**
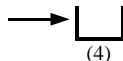

NOTE:
A fixed Dial Tone Detection (E) is included prior to the *Dialing Prefix* (Block Number 44). Programming an E is not required for Telco 1, Telco 2 and Telco 3. If dial tone detection is not desired select *No Dial Tone Detection* in Communicator Features (Block Number 46). Program a D if a 4 second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

54 **Zone Report, Telco 3**

Default
OFF		Zone 1
OFF		Zone 2
OFF		Zone 3
OFF		Zone 4

55 **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 (**ĸ ĸ**)
OFF		Zn 2 LED ON = *KP AUX (**f f**)/Ambush
OFF		Zn 3 LED ON = *KP Panic (**g G**)
OFF		Zn 4 LED ON = Test Timer

*See Note 1

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

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		Zn 4 LED 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 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"

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)	

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)	

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 Restore Code
(E)	
	Zone 1, 2, 3 & 4 Trouble Code
(F)	

63 System Report Codes

(1)	(1)	Keypad Panic 2 (**κ κ**)
(2)	(3)	Keypad AUX (**ϝ ϝ**)
(2)	(1)	Keypad Panic (**ɢ ɢ**)
(F)	(F)	Test Timer
(F)	(9)	AC Fail
(F)	(8)	Low Battery
(F)	(1)	*Trouble

*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 and Transmitter Supervisory Faliure.

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

9

Wireless

Transmitters

	RF ID #	Point
71 Zone 1		
72 Zone 2		
73 Zone 3		
74 Zone 4		

Enter the RF ID# located on the Transmitter and Key Fob 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 **B** (beeps) **7 3** (beeps)
3. Enter **0 0 1 2 A 2 0 0**

   Hexadecimal B Entry

4. Enter **1** (beeps)

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

Hexadecimal Data Entry

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

10

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 = Command 6(▲ ⚏) Download
OFF		Zn 4 LED ON = Reserved

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 = Reserved
OFF		Zn 4 LED ON = Reserved

97 **Dealer Options 2**

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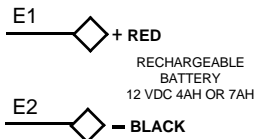| OFF | | Zn 1 LED ON = *International Dialing Protocol |
OFF		Zn 2 LED ON = *Invert Bell Output
OFF		Zn 3 LED ON = System Trouble Auto Reset
OFF		Zn 4 LED ON = User 1 Code-Program only
*See Note 1

98 **Number of Re-Dials**

(9)

NOTE 1:
International Features

11

XP-400 WIRING DIAGRAM

(REFER TO INSTALLATION INSTRUCTIONS WI853C)

NAPCO

E1 ◇ **+ RED**

RECHARGEABLE
BATTERY
12 VDC 4AH OR 7AH

E2 ◇ **− BLACK**

RESIDENTIAL BURG (4 HOUR STANDBY) (2)
COMBINED STANDBY = 350 mA   BELL = 2.0 AMP

ALL OUTPUTS ARE CURRENT LIMITED

COLD WATER GROUND CONNECTION
USE ONLY COLD-WATER PIPE OR BURIED GROUND ROD. USE AT LEAST #16 AWG WIRE.

EZ
Zone
Doubling™
Resistors

2.2K
(E)
RED   RED RED   GOLD

3.9K
(Z)
ORANGE   WHITE RED   GOLD

EARTH GROUND

Terminals: 1 2 +3 −4 +5 +6 -7 +8 -9   NOT USED   +10 −11 +12 −13 14 15 16 17 18 19

1 2 — 16 VAC 20 VA TRANSFORMER NAPCO TRF12 (OR EQUIVALENT SEE WI879A). Class 2 Transformer. DO NOT connect to switched outlet.

+10 BELL   −11 GND   +12 +PWR   −13 GND   14 GREEN   15 PGM (−)   16 TIP   17 RING   18 TIP   19 RING

REMOTE BUS

TELCO — RED GRN   PHONE — GRAY BRN

(1)

3.9K (Z) ZONE 3   3.9K (Z) ZONE 4

2.2K (E) ZONE 1   2.2K (E) ZONE 2

RPX-4 — RED BLK GRN

LOAD 50 mA MAX

Programmable Output

To RJ31X (Supervised)

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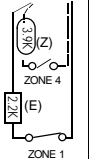TO PREVENT RISK OF ELECTRIC SHOCK DISCONNECT TELEPHONE LINES PRIOR TO SERVICING

(1) ALL ZONE RESISTORS MUST BE INSTALLED, EVEN IF ZONE IS NOT USED.

(2) COMBINED STANDBY = KEYPAD CURRENT + AUX POWER CURRENT + PGM CURRENT.

AUX POWER OUTPUT 10-12.5 VDC

2.2K EOLR (SUPERVISED)
(E)

GEM-RECV-XP8

(+)   12   +PWR
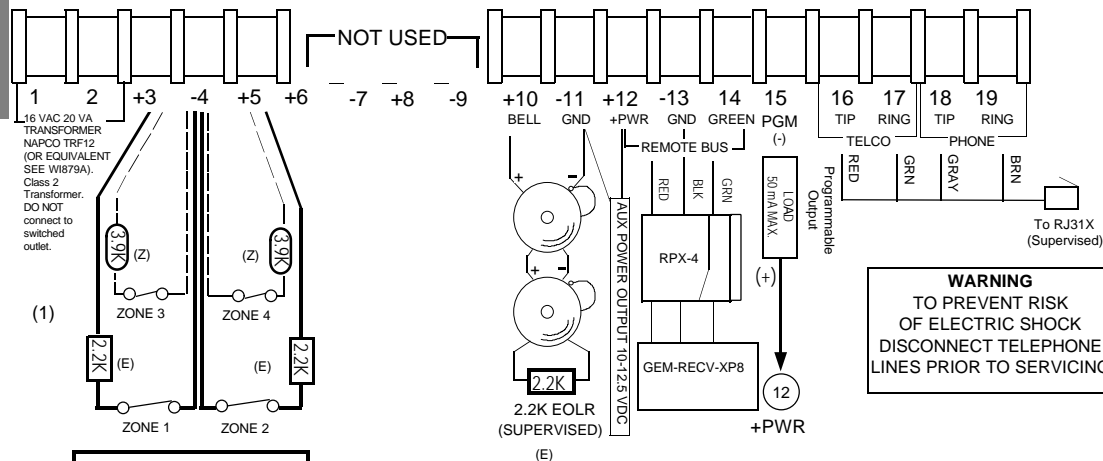
Normally Open Zone Wiring

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

3.9K (Z) ZONE 4

2.2K (E) ZONE 1