



XP-400 Programming Instructions

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 **[7]** key to return to Dealer Program mode.

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 ✓ 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.

DEALER PROGRAM MODE - KEYPAD KEY DEFINITION

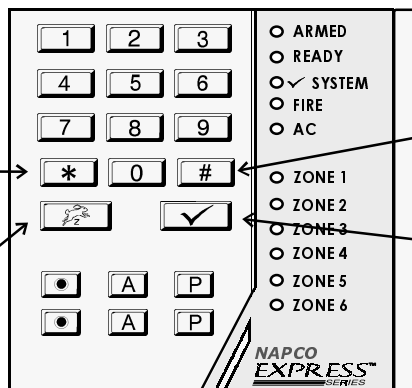
Hexadecimal Data Entry

To Enter a hexadecimal digit enter the following:

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

Scroll Key

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



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 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 **[#]** key clears the 3 minute timer.

Enter * 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.

Exiting Dealer Program Mode

Enter # * 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 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 (Beep), then (Beep).
2. Press the key to select zone 2.
3. Press the key to select zone 3.

02	Exit/Entry Follower
Default	
<input type="checkbox"/> OFF	Zone 1
<input checked="" type="checkbox"/> OFF	Zone 2
<input checked="" type="checkbox"/> OFF	Zone 3
<input type="checkbox"/> 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.

<input type="checkbox"/>	ZONE 1
<input checked="" type="checkbox"/>	ZONE 2
<input checked="" type="checkbox"/>	ZONE 3
<input type="checkbox"/>	ZONE 4

Direct Entry Programming Block

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

10	Exit Delay
<input type="text" value="0"/>	<input type="text" value="6"/>
<input type="text" value="0"/>	<input type="text" value="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 (Beep) (Beep).
2. Press
3. Press *
4. Press

44	Dialing Prefix
<input type="text" value="9"/>	<input type="text" value="E"/>

<input type="checkbox"/>	ARMED	OFF	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).
<input type="checkbox"/>	READY	FLASHING	
<input checked="" type="checkbox"/>	SYSTEM	FLASHING	

Viewing Data in Programming Blocks

To view data within a programming Block, enter the Program Block Number, then press the key, 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:

	0/Blank	1	2	3	4	5	6	7	8	9	*A/0	B	C	D	E	F	* Note:
ZONE 1	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	In the following Programming Blocks, data that has been entered as a '0' will be displayed as an 'A': <i>Subscriber ID Numbers, Phone Numbers, Pager Leading and Trailing digits and Report Codes.</i>
ZONE 2	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	
ZONE 3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	
ZONE 4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	

● ZONE LED ON ○ ZONE LED OFF

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.:

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

44 Dialing Prefix 9 E

Data = 9

- ZONE 1
- ZONE 2
- ZONE 3
- ZONE 4

② Press the key to view the 2nd digit.

Data = E

- ZONE 1
- ZONE 2
- ZONE 3
- ZONE 4

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], [26-4] 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 W1854C.

Zone Features

00 Exit/Entry Zones

Default

Zone 1
 Zone 2
 Zone 3
 Zone 4

03 Auto Bypass Reentry Zones

Default

Zone 1
 Zone 2
 Zone 3
 Zone 4

06 Open Circuit Zones

Default

Zone 1
 Zone 2
 Zone 3
 Zone 4

See wiring
diagram for
Open Circuit
wiring.

01 Home/Away with Delay Zones

Default

Zone 1
 Zone 2
 Zone 3
 Zone 4

04 24 Hour Protection Zones

Default

Zone 1
 Zone 2
 Zone 3
 Zone 4

07 Burg (Steady) Output

Default

Zone 1
 Zone 2
 Zone 3
 Zone 4

02 Exit/Entry Follower Zones

Default

Zone 1
 Zone 2
 Zone 3
 Zone 4

05 40 ms Loop Response Zones

Default

Zone 1
 Zone 2
 Zone 3
 Zone 4

08 Programmable Output (PGM)

Default

Zone 1
 Zone 2
 Zone 3
 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
 ZN 1 LED ON = *Keypad Panic 2 ()
 ZN 2 LED ON = *Keypad AUX ()
 ZN 3 LED ON = *Keypad Panic ()
 ZN 4 LED ON = *Ambush (4th User Code)
*See Note 1

21 Keypad Features 2

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

22 Miscellaneous Features 1

Default
 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)

23 Programmable Output (PGM) Features 1

Default
 ZN 1 LED ON = Audio Verification
 ZN 2 LED ON = *Access Output ()
 ZN 3 LED ON = *Follow Keypad Sounder
 ZN 4 LED ON = *Keyfob/Keyswitch Chirp

NOTE 1:

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

24 Programmable Output (PGM) Features 2

Default
 ZN 1 LED ON = **Reserved**
 ZN 2 LED ON = AUX
 ZN 3 LED ON = Panic
 ZN 4 LED ON = Test Timer

25 Programmable Output (PGM) Features 3

Default
 ZN 1 LED ON = AC Fail
 ZN 2 LED ON = Low Battery
 ZN 3 LED ON = *Trouble
 ZN 4 LED ON = Armed
*See Note 3

26 Miscellaneous Features 2

Default
 ZN 1 LED ON = Momentary Keyswitch Arming
 ZN 2 LED ON = Reserved
 ZN 3 LED ON = Inhibit Fail to Communicate
 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 Failure.

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

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

44 Dialing Prefix

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

45 Communicator Features 1

Default

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

46 Communicator Features 2

Default

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

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

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

- 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

- Keypad Panic 2 ()
- (1) (1)
- Keypad AUX ()
- (2) (3)
- Keypad Panic ()
- (2) (1)
- Test Timer
- (F) (F)
- AC Fail
- (F) (9)
- Low Battery
- (F) (8)
- *Trouble
- (F) (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 and Transmitter 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

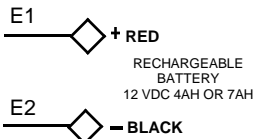
- Default
- OFF | Zn 1 LED ON = Opening after Alarm (Cancel Code)
- OFF | Zn 2 LED ON = Conditional Closing
- OFF | Zn 3 LED ON = Reserved
- OFF | Zn 4 LED ON = Reserved

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

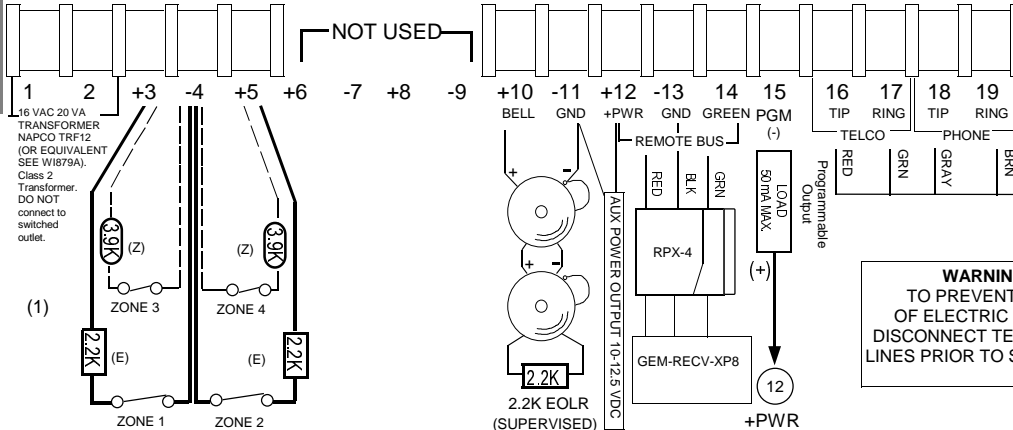
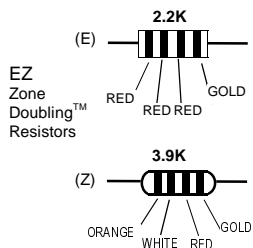
XP-400 WIRING DIAGRAM

(REFER TO INSTALLATION INSTRUCTIONS WI853C)



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

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



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 + PGM CURRENT.

