NAPCO FREEDOM
F-8 CONTROL PANEL
PROGRAMMING INSTRUCTIONS

Publicly traded on NASDAQ   Symbol: NSSC

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WI1432 10/05

Quick Start Guide

☞ **Refer to WI1438 and WI1431 for the Installation Instructions and wiring diagrams to install the F-8 Control Panel, F-TP Touchpad and F-TAB (deadbolt sensor and magnetic door contact).**

☞ **Connect the F-PROG Programming Console / Keypad to the control panel.**

F-PROG Wiring	
Wire	**Terminal**
Red	16
Black	17
Green	18

☞ **Connect AC Power and the backup battery.**

☞ **The NAPCO F-8 Control Panel has been pre-programmed for standard residential applications. The four steps below represent the only additional programming required to configure a typical system:**

1 Enter Program Mode ⟶ Press FUNCTION 8 A

Installer Code

(4) (5) (6) (7)
Default Installer Code shown in parentheses

ON / OFF

- ARMED   ON
- STATUS   OFF
- ⚠ TROUBLE   FLASHING

Indicates the F-8 Control Panel is in Program Mode and ready for a programming block to be entered.

2 Program Central Station Account # ⟶ Press RESET 3 0

Enter CS Account #

3 Program Central Station Telephone # ⟶ Press RESET 3 1

Enter CS Telco. #

4 Exit Program Mode ⟶ Press RESET FUNCTION 8 A

Installer Code

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

ON / OFF

- **Note - If an additional motion sensor is required, use F-8 Control Panel Zone 5.**
  Connections - Loop: terminals 6 & 7, Power: terminals 15(-) and 16 (+).

- **F-8 Panel Zone Defaults:**

Zone 1: Entry/Exit	**Zone 3:** Perimeter	**Zone 5:** Entry/Exit Follower/Interior	**Zone 7:** Entry/Exit
Zone 2: Entry/Exit Follower/Interior	**Zone 4:** Perimeter	**Zone 6:** Perimeter	**Zone 8:** Entry/Exit Follower/Interior

- **Refer to wiring diagram on rear cover for connections.**

Enrolling the Master F-IFOB 🔑

The first F-IFOB enrolled into a new system will automatically be designated as the Master F-IFOB. The following procedure is used to enroll the Master F-IFOB into a new system (a system which has not yet had any F-IFOBs enrolled):

1. With the system disarmed, insert the Master F-IFOB into the F-IFOB slot on the F-TP Touchpad for approximately three (3) seconds and then remove.

2. Re-insert the Master F-IFOB and then remove.

3. The F-TP Touchpad will beep to indicate that the F-IFOB has been properly enrolled.

Test the Master F-IFOB by arming the system in the STAY mode and using it to disarm system (insert into the F-IFOB slot and then remove).


This manual contains the Programming Instructions for the NAPCO F-8 Control Panel. It is intended to be used in conjunction with the **F-8 Control Panel Installation Instructions** (WI1431), the **F-TP Touchpad & F-TAB Installation Instructions** (WI1430), and the **F-TP Touchpad, F-LTRANS and F-TAB Installation Instructions** (WI1439).

PROGRAMMING INSTRUCTIONS

An **F-PROG** Programming Console must be used for local keypad programming of the **NAPCO F-8** system.
Connect the **F-PROG** for programming purposes and then remove when programming is complete.

PROGRAM MODE - PROGRAMMER KEY DEFINITIONS

NOTE:
After 15 minutes of keypad inactivity the keypad will emit a steady tone indicating the panel has been left in Installer Program Mode. Enter In-staller Code followed by [ON/OFF] to exit or press [RESET] to return to the Installer Program Mode.
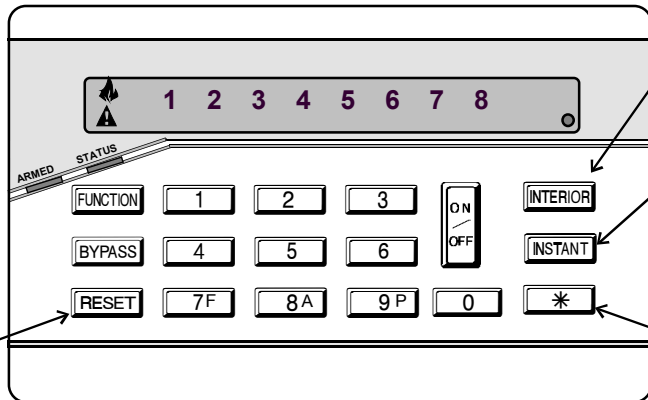
Scroll Key
Use this key to scroll through data that has been entered in Programming Blocks.

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.

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

Hexadecimal Data Entry
For hexadecimal digits, enter the following:

A= [✳] [1]   D= [✳] [4]
B= [✳] [2]   E= [✳] [5]
C= [✳] [3]   F= [✳] [6]

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.

LED Programming Block Example
Program zones 3 and 4 as *Follower Zones.*

1. Enter Programming Block 02, by pressing [RESET] (Beep), then [0] [2] (Beep).
2. Press the [3] key to select zone 3.
3. Press the [4] key to select zone 4.
4. Press [RESET] [INTERIOR] or [ON/OFF] to program.

02 Exit/Entry Follower Zones
Default
		N/A	Zone 1 /F-TP1 Door
ON		Zone 2 /F-TP1 PIR
OFF	X	Zone 3
OFF	X	Zone 4
ON		Zone 5 /Optional PIR
OFF		Zone 6
		N/A	Zone 7 /F-TP2 Door
ON		Zone 8 /F-TP2 PIR

LED Type Programming Block

Zone 3 and Zone 4 LEDs light to indicate that zones 3 and 4 have been selected as follower zones. (Be sure to press [RESET] [INTERIOR] or [ON/OFF] to program your selection).

(**Note:** By default, Zones 2, 5 & 8 are already selected as Exit / Entry Follower zones).
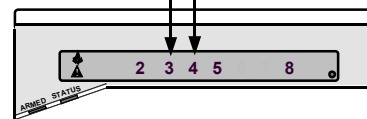
Direct Entry Programming Block
Enter data directly. For hexadecimal entries of A-F, use the [✳] key + [1] through [6] keys, respectively. Use the [INSTANT] key to blank out digits in Direct Entry type programming blocks. Default values are shown in parentheses.

① **Direct Entry Programming Example 1**
Program the panel for a 90 second *Exit Delay.*

1. Press [RESET] (Beep) [1] [0] (Beep).
2. Press [0] [9P] [0].

10 Exit Delay
| 0 | 9 | 0 | Exit Delay, seconds |
| (0) | (6) | (0) | 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 [9P]
3. Press [✳]
4. Press [5]

44 Dialing Prefix
| 9 | E | | | Dialing Prefix for Telco 1, Telco 2 & Telco 3. |

2

Viewing Data in Programming Blocks

To view data within a programming block, press RESET and enter the program block number to view 1st digit of data. Press the INTERIOR key to view the 2nd digit and continue pressing INTERIOR until all digits within the 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

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

* 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.*

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

The (UL) symbol 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 | 9 | E | | |

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

DATA = 9
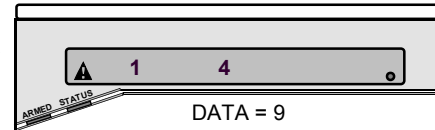
② Press the INTERIOR key to view the 2nd digit.

DATA = E
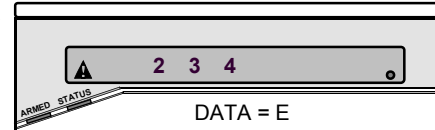
DEFAULTING THE F-8 CONTROL PANEL

DEFAULTING THE F-8 CONTROL PANEL

1. Remove power from the panel.
2. Remove all wiring from terminal 19 (PGM) and terminal 3.
3. Connect terminal 19 (PGM) to terminal 3.
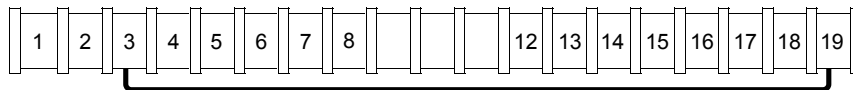
4. Apply power to the F-8 Panel.
5. After a few seconds the ARMED, READY and ⚠ SYSTEM TROUBLE LEDs will flash.

▭	ARMED	FLASHING
▭	STATUS	FLASHING
⚠	TROUBLE	FLASHING

Indicates the F-8 Panel is loading system defaults.

6. The keypad will beep 3 times indicating the panel default values have been loaded.
7. Remove wiring between terminal 19 (PGM) and terminal 3.
8. Re-install original wiring for terminal 19 (PGM) and terminal 3.

Refer to the F-8 Installation Instructions (WI1431) for a complete description of all features and functions.

Zone Features

00 Exit/Entry Zones
Default

ON		Zone 1 /F-TP1 Door
OFF		Zone 2 /F-TP1 PIR
OFF		Zone 3
OFF		Zone 4
OFF		Zone 5 /Optional PIR
OFF		Zone 6
ON		Zone 7 /F-TP2 Door
OFF		Zone 8 /F-TP2 PIR

05 40 ms Loop Response Zones
Default

ON		Zone 1 /F-TP1 Door*
ON		Zone 2 /F-TP1 PIR*
OFF		Zone 3
OFF		Zone 4
ON		Zone 5 / Optional PIR *
OFF		Zone 6
ON		Zone 7 /F-TP2 Door*
ON		Zone 8 /F-TP2 PIR

*See Note 1

09 Selective Bypass
Default

ON		Zone 1 /F-TP1 Door
ON		Zone 2 /F-TP1 PIR
ON		Zone 3
ON		Zone 4
ON		Zone 5 /Optional PIR
ON		Zone 6
ON		Zone 7 /F-TP2 Door
ON		Zone 8 /F-TP2 PIR

02 Exit/Entry Follower Zones
Default

N/A		Zone 1 /F-TP1 Door
ON		Zone 2 /F-TP1 PIR
OFF		Zone 3
OFF		Zone 4
ON		Zone 5 /Optional PIR
OFF		Zone 6
OFF		Zone 7 /F-TP2 Door
ON		Zone 8 /F-TP2 PIR

Ⓝ 06 Disable EOL Resistor
Default

N/A		Zone 1 /F-TP1 Door
N/A		Zone 2 /F-TP1 PIR
OFF		Zone 3
OFF		Zone 4
OFF		Zone 5 /Optional PIR
OFF		Zone 6
N/A		Zone 7 /F-TP2 Door
N/A		Zone 8 /F-TP2 PIR

08 PGM Prog. Output (Term. 19)
Default

ON		Zone 1 /F-TP1 Door
ON		Zone 2 /F-TP1 PIR
ON		Zone 3
ON		Zone 4
ON		Zone 5 /Optional PIR
ON		Zone 6
ON		Zone 7 /F-TP2 Door
ON		Zone 8 /F-TP2 PIR

04 24 Hour Protection Zones
Default

N/A		Zone 1 /F-TP1 Door
OFF		Zone 2 /F-TP1 PIR
OFF		Zone 3
OFF		Zone 4
OFF		Zone 5 /Optional PIR
OFF		Zone 6
OFF		Zone 7 /F-TP2 Door
OFF		Zone 8 /F-TP2 PIR

07 Bell & F-TP Touchpad Siren on Alarm
Default

ON		Zone 1 /F-TP1 Door
ON		Zone 2 /F-TP1 PIR
ON		Zone 3
ON		Zone 4
ON		Zone 5 /Optional PIR
ON		Zone 6
ON		Zone 7 /F-TP2 Door
ON		Zone 8 /F-TP2 PIR

NOTE 1:
These options must remain programmed.
DO NOT UNPROGRAM

NOTE 2:
UL Installations: The Fire (Pulsed) Output Time-out must be un-timed (000) if fire devices other than smoke detectors are installed.

NOTE 3:
UL Installations: Block 16, Wireless Supervisory Timer must be set to 10 hours.

NOTE 4:
UL Installations: Block 17 must be set to 4 hours.

System Times

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

15-255 (For non-CP-01 installations) and 45-255 (CP-01 installations) are valid entries. (60 in UL Installations). SIA CP-01 Required Default: 60 seconds.

13 Fire (Pulsed / Temporal) Output
			Fire Output, minutes
(0)	(0)	(0)	Maximum Entry 255

*See Note 2

16 Wireless Supervisory Timer
		Supervisory Timer, hours
(1)	(2)	Maximum Entry 26

*See Note 3

11 Entry Delay
			Entry Delay, seconds
(0)	(0)	(0)	Maximum Entry 255

0-255 are valid entries. **Note:** Default time is actually 30 sec. Any time period programmed will be added to 30 sec. SIA CP-01 Required Default: 30 sec.

14 Test Timer Interval
			Test Timer Interval, days
(0)	(0)	(0)	Maximum Entry 255

17 Wireless Smoke Supervisory Timer
	Smoke Supervisory Timer, hours
(8)	Maximum Entry 8

*See Note 4

12 Bell, F-TP Siren Time-out
			Sounder Output, minutes
(0)	(0)	(5)	Maximum Entry 255

15 Line Cut Time-to-Fail (Disabled = 000)
			Telco Line Cut Time-to-Fail,
(0)	(0)	(0)	**To Enable Line Cut,** program a valid entry from 10 to 255 seconds

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

System Features

20 F-TP Features 1

Default
OFF		Zn1 ON=TP Fire (🔥)*
OFF		Zn2 ON=TP AUX (**A**)†
ON		Zn3 ON=TP Panic (🚨)*
OFF		Zn4 ON=Ambush (TP&User 8)*

*See Note 1, † See Note 4

21 F-TP Features 2

Default
ON		Zn1 ON=Audible TP Panic (🚨)
ON		Zn2 ON=Exit/Entry with Urgency
ON		Zn3 ON=Not used - Leave ON **
OFF		Zn4 ON=F-8 Service Report †

** See Note 5, † See Note 4

22 Miscellaneous Features 1

Default
OFF		Zn1 ON=Dialer Delay
ON		Zn2 ON=Not used - leave ON **
OFF		Zn3 ON=Swinger Shutdown
OFF		Zn4 ON=Bell on Line Cut (Armed)

** See Note 5

23 PGM - Prog. Output (T 19) Features 1

Default
OFF		Zn1 ON=PGM on Audio Verification
OFF		Zn2 Reserved
OFF		Zn3 ON=PGM Follows Chime*
ON		Zn4 ON=Chirp Bell on Remote (Keyfob) Arm

* See Note 2

24 PGM - Prog. Output (T 19) Features 2

Default
OFF		Zn1 ON=PGM on Fire
OFF		Zn2 ON=PGM on TP AUX (**A**)
OFF		Zn3 ON=PGM on TP Panic(🚨)
OFF		Zn4 ON=PGM on Test Timer

25 PGM - Prog. Output (T 19) Features 3

Default
OFF		Zn1 ON=PGM on AC Fail
OFF		Zn2 ON=PGM on Low Battery
OFF		Zn3 ON=PGM on Trouble *
OFF		Zn4 ON=PGM on System Armed

*See Note 3

26 Miscellaneous Features 2

Default
OFF		Zn1 ON=Keyswitch on Zone 6
OFF		Zn2 Enable GEM-OUT8
OFF		Zn3 ON=Inhibit Fail to Comm.
Ⓝ OFF		Zn4 ON=Inhibit Low Batt Disp.

27 Miscellaneous Features 3

Default
OFF		Zn1 Keyswitch Polarity
Ⓝ ON		Zn2 ON=Away to Stay PIR Zns
Ⓝ ON		Zn3 ON=Stuck PIR Supervised
OFF		Zn4 F-TP Touchpad Audible Supervision

29 Chime Time

	Chime Time, 1/4 seconds
(4)	Valid Entries 2-9

69 Miscellaneous Features 4

Default
OFF		Zn1 Priority on all Zones
OFF		Zn2 Reserved
OFF		Zn3 Disable Chime on Power-Up
OFF		Zn4 Fire Alarm Verification

Telephone Number 1 Programming

30 Subscriber ID Number

31 Telephone Number 1

NOTE:
A fixed Dial Tone Detection "E" is included by default in the *Dialing Prefix* (Block Number 44). If dial tone detection is not desired, Remove the "E" from Block 44. 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] Ademco Contact ID
[7] Pager

(6)

Note: For CP-01 compatibility, set for Contact ID [6] format.

33 Receiver Options

Default
OFF		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 /F-TP1 Door
ON		Zone 2 /F-TP1 PIR
ON		Zone 3
ON		Zone 4
ON		Zone 5 /Optional PIR
ON		Zone 6
ON		Zone 7 /F-TP2 Door
ON		Zone 8 /F-TP2 PIR

35 Zone Restore Report, Telco 1

Default
OFF		Zone 1 /F-TP1 Door
OFF		Zone 2 /F-TP1 PIR
OFF		Zone 3
OFF		Zone 4
OFF		Zone 5 /Optional PIR
OFF		Zone 6
OFF		Zone 7 /F-TP2 Door
OFF		Zone 8 /F-TP2 PIR

36 System Reporting, Telco 1

Default
OFF		Zn1 ON=TP Fire (🔥)
OFF		Zn2 ON=TP AUX (**A**)*
ON		Zn3 ON=TP Panic (🚨)
OFF		Zn4 ON=Test Timer / Comm. Test **

*See Note 4. If [36-2] is enabled, [20-4] must also be enabled.

See Note 6. **Note: For Keypad Ambush reporting, enable F-TP Touchpad AUX [36-2].

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

NOTE 3:
Includes Bell Cut, Fire Trouble, Receiver/F-TP Fail-to-Respond, Receiver Tamper, Receiver JAM, Wireless Smoke Low Battery, Wireless Smoke Supervisory Failure, Wireless Low Battery, Wireless Supervisory Fail, Wireless Tamper, Stuck PIR Failure, Zone Trouble.

NOTE 4:
Touchpad AUX (**A**) button may be programmed for:
● Auxiliary Emergency Report (Contact ID Code 140-00) - enable [20-2] and [36-2].
    --OR--
● F-8 Service Report (Contact ID Code 616-00) - enable [21-4] and [36-4].

37 System Reporting, Telco 1

Default
OFF		Zn1 ON=AC Fail Rpt. (15min. delay)
ON		Zn2 ON=Low Battery Report
OFF		Zn3 ON=Trouble Report *
ON		Zn4 ON=Fire Zone Report

*See Note 3

38 System Restore Report, Telco 1

Default
OFF		Zn1 ON=AC Fail Rest. Report
OFF		Zn2 ON=Low Batt. Rest. Report
OFF		Zn3 ON=Trouble Rest. Report *
OFF		Zn4 ON=Fire Zone Rest. Report

*See Note 3

39 Open / Close Report, Telco 1

Default
OFF		Zn1 ON=User 1 Reporting
OFF		Zn2 ON=User 2 Reporting
OFF		Zn3 ON=User 3 Reporting
OFF		Zn4 ON=User 4 Reporting
OFF		Zn5 ON=User 5 Reporting
OFF		Zn6 ON=User 6 Reporting
OFF		Zn7 ON=User 7 Reporting
OFF		Zn8 ON=User 8 Reporting

NOTE 5:
These options **must** remain programmed.
DO NOT UNPROGRAM

NOTE 6:
Test Timer [36-4] must be enabled for:
● Periodic Test Timer report (Contact ID Code 601-00).
● F-TP Touchpad AUX (**A**) Service Report [21-4] (Contact ID Code 616-00)
● Comm. Test (Hold Down **BYPASS**), (Contact ID Code 601-00).

NOTE 1:
Additional programming required for reporting, see Blocks [36]&[56]. **UL Installations:** If Keypad Fire [20-1] is enabled, keypad must be mounted within 3ft. from Control Panel & [27-4] must be programmed. If [20-4] is enabled, [36-2] must also be enabled.

Backup Telco Programming

40 Backup Subscriber ID Number

41 Backup Telephone Number 1

42 Backup Receiver Format

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

→ | | (6)

43 Backup Receiver Options

Default
OFF		Zn1 Reserved
OFF		Zn2 Reserved
OFF		Zn3 Reserved
OFF		Zn4 Reserved

Communicator Features

44 Dialing Prefix

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

NOTE:
A pre-dial delay of 4 seconds is included by default in the Dialing Prefix (Address 44). If a fixed dial tone detection is desired, program "E" in the first location. If 1st location is not D, E or F, then a 4-second delay occurs, prior to dialing the 1st digit.

45 Communicator Features 1

Default
ON		Zn1 ON = Communicator Enabled
ON		Zn2 ON = DTMF w/Rotary Back up
OFF		Zn3 ON = DTMF only
OFF		Zn4 ON = Backup to Telco 2

46 Communicator Features 2

Default
OFF		Zn1 ON = Enable Call Waiting
OFF		Zn2 ON = 2:1 Rotary Dialing
OFF		Zn3 ON = Backup if < 4 attempts
OFF		Zn4 Reserved

Pager Programming

47 Pager Leading Digits

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

48 Pager Trailing Digits

*(C)   *See Note 2

49 Pager Options

Default
OFF		Zn1 ON = Skip Alarm Data
OFF		Zn2 Reserved
OFF		Zn3 Reserved
OFF		Zn4 Reserved

NOTE 2:
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 / Pager Reporting Programming

50 Telco 3 / Pager Subscriber ID#

51 Telco 3 / Pager Telephone Number

NOTE:
Panel default leaves Dialing Prefix (Block Number 44) blank, which causes a 4-second delay. If 1st location is not D, E or F, then a 4-second delay occurs prior to dialing the 1st digit.

52 Telco 3 / Pager Receiver Format

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

→ | | (7)

53 Receiver Options

Default
OFF		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, Pager/Telco 3

Default
OFF		Zone 1 /F-TP1 Door
OFF		Zone 2 /F-TP1 PIR
OFF		Zone 3
OFF		Zone 4
OFF		Zone 5 /Optional PIR
OFF		Zone 6
OFF		Zone 7 /F-TP2 Door
OFF		Zone 8 /F-TP2 PIR

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

55 Zone Restore Report, Telco 3 / Pager

Default
OFF		Zone 1 /F-TP 1 Door
OFF		Zone 2 /F-TP 1 PIR
OFF		Zone 3
OFF		Zone 4
OFF		Zone 5 /Optional PIR
OFF		Zone 6
OFF		Zone 7 /F-TP 2 Door
OFF		Zone 8 /F-TP 2 PIR

56 System Reporting, Telco 3 / Pager

Default
OFF		Zn1 ON=TP Fire (🔥)
OFF		Zn2 ON=TP AUX (**A**)
OFF		Zn3 ON=TP Panic (⬛)
OFF		Zn4 ON=Test Timer

*See Note 1, Note: For Keypad Ambush reporting, enable Boltpad AUX [36-2].

NOTE 2:
Includes Bell Cut, Fire Trouble, Receiver/F-TP Fail-to-Respond, Receiver Tamper, Receiver JAM, Wireless Smoke Low Battery, Wireless Smoke Supervisory Failure, Wireless Low Battery, Wireless Supervisory Fail, Wireless Tamper, Stuck PIR Failure, Zone Trouble.

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

57 System Reporting, Telco 3 / Pager

Default
OFF		Zn1 ON=AC Fail Rpt.(15min. rep. delay)
OFF		Zn2 ON=Low Battery Report
OFF		Zn3 ON=Trouble Report *
OFF		Zn4 ON=Fire Zone Report

*See Note 2

58 System Restore Report, Telco 3/Pager

Default
OFF		Zn1 ON=AC Fail Rest. Report
OFF		Zn2 ON=Low Batt. Rest.Report
OFF		Zn3 ON=Trouble Rest. Report *
OFF		Zn4 ON=Fire Zone Rest. Report

*See Note 2

59 Open / Close Report, Telco 3 / Pager

Default
OFF		Zn1 ON=User 1 Reporting
OFF		Zn2 ON=User 2 Reporting
OFF		Zn3 ON=User 3 Reporting
OFF		Zn4 ON=User 4 Reporting
OFF		Zn5 ON=User 5 Reporting
OFF		Zn6 ON=User 6 Reporting
OFF		Zn7 ON=User 7 Reporting
OFF		Zn8 ON=User 8 Reporting

Refer to the F-8 Installation Instructions (WI1431) for a complete description of all features and functions.

Report Codes

60 Format 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:
For Pager Format reporting only:
The first Digit of the *Zone Report Code* is programmable in block 60. The second digit of the *Zone Report Code* is the number of the zone that is reporting.
For example zone 5 report code (default of 3) would be 35.

Contact ID Reporting Codes

61

	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)	

The Contact ID Zone Alarm Report Codes are programmable in block 61. Choose from the following zone types:

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
C RESERVED
D BURG PERIMETER
E BURG INTERIOR
F TAMPER

Note: See Installation Manual for the effect on Audio Verification [23-1] and GEM-OUT8 outputs.

62 Zone Restore Codes

	Zone 1-8 Restore Code
(E)	
	Zone 1-8 Trouble Code
(F)	

63 System Report Codes

		TP Fire (🔥)
(1)	(1)	
		TP AUX (A)
(2)	(3)	
		TP Panic (☠)
(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, Transmitter Tamper, Wireless Smoke Low Battery, Wireless Smoke Supervisory Failure, and Stuck PIR Failure.

65 Format Opening and Closing Codes

	Closing Code
(C)	
	Opening Code
(B)	

66 Ambush Report

(2)	(2)

Enhanced Communicator Features

67 Telephone Number 1
Default

ON		Zn1 ON = Send Cancel Report
OFF		Zn2 ON = Conditional Closing
OFF		Zn3 ON = Enable "F-KEYF-G"
OFF		Zn4 ON = Enable "UL F-TPG"

68 Telco 3 / Pager Reporting
Default

OFF		Zn1 ON = Cancel Code
OFF		Zn2 ON = Conditional Closing
OFF		Zn3 ON = Reserved
OFF		Zn4 ON = Enable F-TP Ambush Sounder

70 SIA CP-01 Features
Default

ON		Zn1 ON=Exit Restart Enabled
ON		Zn2 ON=Convert Away to Stay if no Exit
OFF		Zn3 OFF=Enable Bypass For Zn6 Supr Zone
OFF		Zn4 OFF=Zn6 24Hr Supr Zone

Wireless Programming

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
   ↑ 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 # Aux1 / Aux2

									:		
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 RESERVED
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

Refer to the F-8 Installation Instructions (WI1431) for a complete description of all features and functions.

SIA CP-01 Features

79 Abort Delay By Zone Mask

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

80 No Auto-Reset

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

89 Cross Zoning

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

Downloading

90 Callback Telephone Number

NOTE:
A fixed Dial Tone Detection "E" is required if callback downloading is to be utilized. Place the "E" in the first location of Block 90, before the Callback Telephone Number. Program a "D" if a 4 second delay is required.

91 Ring Count

(0)   (9)   Maximum Entry 15

92 Downloading Features

Default

ON		Zn1 ON = Ring Method
ON		Zn2 ON = Answering Machine Override
ON		Zn3 ON = Function 6 (FUNCTION 6)
OFF		Zn4 Reserved

93 Auto Download ID Number

Installer Programming

94 Installer Code

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

95 Master F-IFOB/ User 1 Code

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

96 Installer Options 1

Default

OFF		Zn1 Reserved
ON		Zn2 ON = User 1 Code Lockout
(UL) ON		Zn3 ON = UL Household Fire
ON		Zn4 ON = SIA CP-01 Features

97 Installer Options 2

Default

OFF		Zn1 Reserved
OFF		Zn2 Reserved
OFF		Zn3 Enable Wireless on Zone 7
OFF		Zn4 User 1 Code-Program only

98 Number of Re-Dials

# of communication re-dial attempts

(9)

Wiring Diagram

Freedom F-8 PANEL WIRING DIAGRAM
(REFER TO INSTALLATION INSTRUCTIONS WI1431)

This equipment should be installed in accordance with Chapter 2 of the National Fire Alarm Code, ANSI/NFPA 72-1996 (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.

E1 + RED
RECHARGEABLE BATTERY 12 VDC 4AH OR 7AH

E2 – BLACK
RECOMMENDED BATTERIES YUASA NP4-12 AND NP7-12 REPLACE EVERY FIVE YEARS

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

EARTH GROUND

RESIDENTIAL BURG (4 HOUR STANDBY)
COMBINED STANDBY CURRENT = 500 MA
ALARM CURRENT = 2.0 A

RESIDENTIAL FIRE (24 HOUR STANDBY) (3)
COMBINED STANDBY CURRENT = 120 MA
ALARM CURRENT = 95 MA BELL CURRENT, 275MA ADDITIONAL AUX POWER OUTPUT AND ONE F-TP TOUCHPAD SIREN (10)

ALL OUTPUTS ARE CURRENT LIMITED

DS1
TEL LINE IN USE

TELCO JACK

To RJ31X (Supervised)

WARNING
This unit includes an alarm verification feature that will result in a delay of the system alarm signal from the indicated circuits. The total delay (control unit plus smoke detectors) shall not exceed 60 seconds. No other smoke detector shall be connected to these circuits unless approved by the local authority having jurisdiction.

| Circuit Zones | Control Unit Delay-Sec. | Smoke Detectors |
| Model | | Delay-Sec. |

The delay (power-up) (start-up) time marked on the installation wiring diagram of the smoke detector or on the installed smoke detector(s) is to be used.

1 2 +3 -4 +5 +6 -7 +8   +12 -13 14 15 16 17 18 19

16 VAC 20 VA TRANSFORMER TRF12 (OR EQUIVALENT SEE WI1076). Class 2 Transformer DO NOT connect to switched outlet.

2.2K 2.2K 2.2K 2.2K
ZONE 3 ZONE 4 ZONE 5 ZONE 6
Default: Perimeter Default: Perimeter Default: Interior Default: Perimeter

FIRE PWR FIRE BELL GND +PWR GND GREEN PGM (-)
REMOTE BUS
LOAD 50 mA MAX.
(+)
16
+PWR

12.5 - 10.7 VDC
2.2K EOLR IS REQUIRED ONLY IF NOT USING ANY TOUCHPAD SIRENS. SEE NOTE 11.

AUX POWER OUTPUT 10-12.5 VDC

2.2K EOLR
12.6 - 9.0 VDC

RED BLK GRN

F-PROG

GEM-RECV-XP8

FT2200
RED Power Out (+)   Power In (+) 12 Fire Power
BLACK Power Out (-)   Power In (-) 10 Ground
BROWN Fire Loop Out   12 Fire Power
BROWN   Fire Loop In 13 Fire
4-Wire Fire Wiring
F-8 Panel Terminals

YEL RED BLK GRN

Address 1
F-TP or F-TPG

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

Address 2
F-TP* or F-TPBR* Touchpad

(1) ALL ZONE RESISTORS MUST BE INSTALLED, EVEN IF ZONE IS NOT USED.
(2) COMBINED STANDBY = KEYPAD CURRENT + AUX POWER CURRENT + FIRE POWER CURRENT + PGM CURRENT + F-TP CURRENT.
(3) 24 HOUR STANDBY REQUIRES A 7AH BATTERY.
(4) UNIT INTENDED TO BE MOUNTED VERTICALLY ON WALL.
(5) REFER TO WI1431 FOR COMPATIBLE TWO WIRE SMOKE DETECTORS. DO NOT MIX DIFFERENT MODELS.
(6) THIS PANEL SHALL BE CHECKED BY A QUALIFIED TECHNICIAN AT LEAST ONCE EVERY THREE YEARS.
(7) THIS PANEL SUPPORTS ONLY ONE SMOKE DETECTOR IN ALARM.
(8) SYSTEM MUST BE TESTED AT LEAST ONCE A WEEK IN THE AC/BATTERY MODE AND IN THE BATTERY-ONLY MODE. (CONTACT CENTRAL STATION PRIOR TO TESTING) AC MUST BE RESTORED AFTER TEST.
(9) F-TP STANDBY CURRENT FOR BURGLARY IS 160MA. FOR RESIDENTIAL FIRE IS 55MA.
(10) TO DISABLE F-TP TOUCHPAD SIREN, DO NOT WIRE TERMINAL 4.
(11) ONLY INSTALL 2.2K BELL SUPERVISION END-OF-LINE RESISTOR IF F-TP TOUCHPAD SIREN HAS BEEN DISABLED. INSTALL AT BELL OR OTHER SOUNDING DEVICE.