



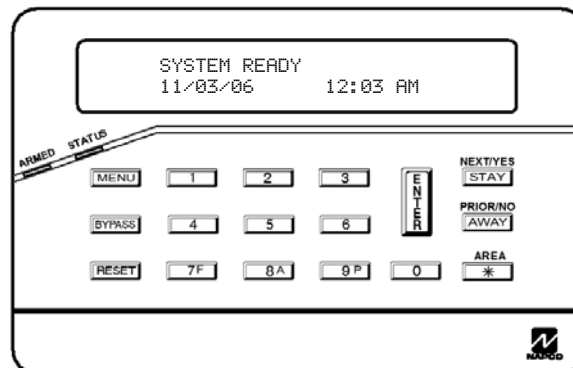
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PROGRAMMING INSTRUCTIONS



FREEDOM F-64 CONTROL PANEL/COMMUNICATOR

Programming the F-64 Control Panel with the F-64PROG Programmer



F-64PROG Programmer

Quick Start using the F-64PROG:

1. Refer to the wiring diagram and connect the **Siren, Aux. Power, PGM Output, Remote Bus, earth ground, Zone and Telephone wiring.**
NOTE: See Installation Instructions (WI1501).

2. Connect AC power first and then the battery.
3. Configure the Touchpad (see page 40).

4. Access the **Easy Menu Driven Program Mode:**

Press

Default Dealer Code

☞ Press NO () until "ACTIVATE PROGRAM Y/N" appears on the programmer display.

☞ Press YES () to Enter Dealer Program Mode. Go to page 5.

**THIS MANUAL INCLUDES FEATURES WHICH ARE ONLY AVAILABLE IN
CONTROL PANEL FIRMWARE VERSION 30 OR LATER.**

IMPORTANT PROGRAMMING INFORMATION

The following System and Keypad Options **must** be programmed for proper panel operation:

- Automatic Interior Bypass/Easy Exit (address 1424, option 1)
- Interior Normally Bypassed (address 1422, option 1)
- Disable Code Required for EZ Bypass (address 1424, option 8)
- Easy Arming (addresses 1440-1446, option 6)

IMPORTANT NOTICE

F-64 panel version 30 requires the use of the following version programmer:

- F-64PROG Version 01

Upon entering program mode, the programmer display will flash the control panel firmware version, followed by the programmer firmware version:

- F-64PROG : [3001]

If Gemini keypads are installed in the system (in addition to the required Freedom F-64TP or F-64TP-H Touchpads), the following version keypads must be used:

- GEM-K1CA Version 9B
- GEM-K2AS, Version 7
- GEM-K3DGTL, Version 3
- GEM-K4/K4RF, Version 2

Differences between the GEM-P1664 and the Freedom F-64 Control Panels:

The GEM-P1664 control panel and the Freedom F-64 V30 control panel are identical, except for the following:

- The "Classic" Gemini RP-Series keypads cannot be used with the Freedom F-64 V30 control panel.
- The **Perimeter Group Bypass** zone feature is exclusive to the Freedom F-64 V30 control panel.



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Refer to accompanying F-64 Installation Instructions (WI1501) for installation information.



CONTROL PANEL PROGRAMMING OPTIONS

OVERVIEW

The F-64 control panel may be programmed by various means, each of which will be covered in detail in the sections that follow. Keypad displays shown are for an F-64PROG programmer, the recommended device for programming.

- ✓ **DOWNLOADING FROM A COMPUTER.** This is the preferred method of programming. The panel may be downloaded from (or uploaded to) an IBM PC-compatible computer, either locally or remotely. Napco's PCD-Windows Quickloader software features context-sensitive help screens as well as an error-checking utility that prevents programming of incompatible or conflicting data to ensure proper panel operation. **Note: Unattended downloading from a computer is not allowed for Fire Alarm or UL installations.**


The control-panel program may be downloaded from the computer by any of the following methods.

Local Downloading - (**Note:** This procedure should be used after installation, after peripheral devices are connected).

For direct high-speed data transfer to the control panel from a desktop computer, connect the download jack (JP2) on the panel to the LOCAL jack (J3) on the Napco PCI2000/3000 computer interface using the supplied 6-conductor cable. (Refer to PCI2000/3000 Installation Instructions WI443 for wiring diagram and procedures).


Similarly, a high-speed local download may be made in the field using a notebook or laptop computer. Connect JP2 on the control panel to a Napco PCI-MINI computer interface using the 6-conductor cable supplied. (Refer to PCI-MINI Installation Instructions WI767).

Remote Downloading - (Also see PCI2000/3000 Installation Instructions WI443). **Note:** Unattended downloading from a computer is not allowed for Fire Alarm or UL installations.

Function Mode - (Also called **Touchpad Menu Mode** when using a freedom Touchpad, see page 43). Start by establishing a telco connection between the computer operator and the installer. During this procedure, voice contact will be lost, therefore both the installer and the computer operator should be familiar with the operation. When a steady high-pitched tone is heard at the site phone, access the "ACTIVATE DOWNLOAD" Function, then press the  button or the **NEXT/YES** button; the site phone will go dead. Hang up the phone and wait for a call from the central station confirming a successful download.

Callback Method - An installed, unattended panel may be programmed or reprogrammed remotely using the Callback-Method Download feature of the PCD-Windows software. Remote downloading requires a modem compatible with the PCI2000/3000. Upon answering the call from the computer, the panel will verify the Download Security Code and, if confirmed, will establish a connection. If a Callback Number is programmed into the panel, the panel will automatically disconnect and call the computer at this number before establishing a connection.

- ✓ **EASY MENU DRIVEN PROGRAM MODE Using the F-64PROG Programmer (see page 6).** Accessed after entering Dealer Program Mode, the Easy Menu Driven Program Mode is a menu-driven utility that prompts the installer to configure the system. The Easy Menu Driven Program Mode allows keypad programming of the Total Number of Zones in Area 1, Panel Zone Doubling, Fire Zones in Area 1, 2-Wire Fire Zones in Area 1, Local or Central Station Reporting System, Exit/Entry Zones in Area 1, Interior Zones in Area 1, 24 Hour Zones in Area 1, Chime Zones in Area 1, Chime 2 Zones in Area 1, Exit/Entry2 Zones in Area 1, 50 mS Loop Response Zones (**Note:** 750mS is required for Loop Response time in UL installations), Aux Output Activated on Alarm Zones, Sensor Watch Zones, Keypad Sounder On Alarm Zones, Auto Bypass Re-entry Zones, Enable No EOLR Zones, Enable Telco Line Fault Test?, Enable Burg Output Chirp on Keyfob?, Enable SIA CP-01 Features?, Number of Keypads in Area 1, Enter the Freedom Touchpad Number, Enter the Touchpad PIR Zone Number, Enter Door Number 1 Zone Number, Enter Door Number 2 Zone Number, Chime 1 Zone Number, Chime 2 Zone Number, Aux 2 Zone Number, Add Another Freedom Touchpad?, Central Station Receiver 1 Telephone Number, Central Station Receiver 1 Account Number, Central Station Receiver 1 Format, Enter User Codes, RF Transmitter Points, Keyfob Transmitters as Arm/Disarm & Control Devices, Keyfob Transmitters as Zone Input Devices, Enter Zone Descriptions, Enter Date, Enter Time, Dealer Code, Test Timer, Clear Dealer Program and Cold Start. For new panels, a custom default program may be created at the keypad. Further detailed customization is accomplished in the Direct Address Program Mode.


- ✓ **DIRECT ADDRESS PROGRAM MODE Using the F-64PROG Programmer (see page 17).** The Direct Address Program Mode is an extension of the Dealer Program Mode wherein data is entered at the F-64PROG programmer by location. This mode is accessed from the Easy Menu Driven Program Mode by pressing the  button at any time.


DEALER PROGRAM MODE


DEALER PROGRAM - PRELIMINARY INFORMATION


Dealer Program Mode comprises two (2) operational states:


1. **EASY MENU DRIVEN PROGRAM MODE** - Used with new "out of the box" panels, this mode allows the dealer to customize the factory panel program to best suit the installation. The **Easy Menu-Driven Program Mode** is a menu-driven utility that prompts the installer to configure the system (see page 6). Press **[RESET]** at any time to exit, thus entering **Direct Address Program Mode**, detailed below.
2. **DIRECT ADDRESS PROGRAM MODE** - Additional programming changes, if necessary, can be made in the **Direct Address Program Mode**. In this mode, the programming address is accessed directly and re-configured by the installer.

 The factory default Dealer Code is **[4] [5] [6] [7F] [8A] [9P]**. We recommend that you use this code to enter Dealer Program Mode and program a custom Dealer Code, replacing the factory default Dealer Code. If you clear your Dealer Code, use the Default Dealer Code once again to enter programming.

 After entering codes or data, press the save **[SAVE]** button. Data will not be stored into memory unless **[SAVE]** is pressed.

 If the programmer is in the Program Mode and no activity is detected for longer than 4 minutes, a steady tone will sound.

 Silence the sounder by the **[*]** button to continue, or by pressing the **[RESET]** button to exit.

 When programming a Multiple Area System, Direct Address Programming Mode must be used to complete the program.

ACCESSING DEALER PROGRAM MODE

1. Press **[4] [5] [6] [7F] [8A] [9P] [MENU]**

Default Dealer Code
2. Press **PRIOR/NO** button until "ACTIVATE PROGRAM Y/N" appears on LCD screen.
3. Press **NEXT/YES** button to Enter Dealer Program Mode.
4. Press **[RESET] [RESET]** to Exit Dealer Program Mode when finished.

CUSTOMIZING A DEFAULT PROGRAM

For new panels, you can design a default program that will best suit your application. Using this procedure, you will configure the panel for:

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> • Total Number of Zones in Area 1 • Panel Zone Doubling • Fire Zones in Area 1 • 2-Wire Fire Zones in Area 1 • Local or Central Station Reporting System • Exit/Entry Zones in Area 1 • Interior Zones in Area 1 • 24 Hour Zones in Area 1 • Chime Zones in Area 1 • Chime 2 Zones in Area 1 • Exit/Entry2 Zones in Area 1 • 50mS Loop Response Zones (Note: 750mS is required for Loop Response time in UL installations) | <ul style="list-style-type: none"> • Aux Output Activated on Alarm Zones • Sensor Watch Zones • Keypad Sounder On Alarm Zones • Auto Bypass Re-entry Zones • Enable No EOLR Zones • Enable Telco Line Fault Test • Enable Burg Output Chirp on Keyfob • Enable SIA CP-01 Features • Number of Keypads in Area 1 • Central Station Receiver 1 Telephone Number • Central Station Receiver 1 Account Number • Central Station Receiver 1 Format | <ul style="list-style-type: none"> • Enter User Codes • RF Transmitter Points • Keyfob Transmitters as Arm/Disarm & Control Devices • Keyfob Transmitters as Zone Input Devices • Enter Zone Descriptions • Enter Date • Enter Time • Dealer Code • Test Timer • Clear Dealer Program • Cold Start |
|---|---|---|

This procedure will automatically set up system keypads/Touchpads, EZMs, wireless transmitters, etc. After your basic default program has been loaded, you may alter it as necessary in the Direct Address Program Mode.

NEW PANELS: The custom default program may be created for new panels only. Once the panel has been programmed by any means, the number zones will be suppressed and cannot be changed. Should it be necessary to create a new custom default program, (a) from the Dealer Program Mode, press the **[RESET]** button to enter the Direct Address Program Mode; (b) access Location 2285 (Clear Program); (c) press **[SAVE]** and start over.

EASY MENU DRIVEN PROGRAM MODE

To create a custom program using the F-64PROG programmer, simply answer the following questions and record your information on the *Easy Menu Programming Worksheet* (see page 44). In each of the following steps, press **MENU** to set cursor, the

NEXT/YES button to go forwards, the **PRIOR/NO** button to go backwards, **SAVE** to save and **RESET** twice to exit at any time.

```
#of Zns in Area1
Enter # Zones XX
```

(Direct Entry)

Total Number of Zones in Area 1 (New Program Only)

- Enter the total number of zones to be programmed for Area 1.
- Valid entries are from 01 to 64. Directly enter the total number of zones, including leading zeros.
- The system is based on groups of 4 zones each (after the first 8 zones), and will automatically round up to the next group of 4. For example, if you enter 18, it will automatically convert this to 20 zones. Press **SAVE** to save. Press the **NEXT/YES** button to proceed.

```
EZ Zone Doubling
Enabled? Y/N
```

(Press YES or NO)

Panel Zone Doubling (New Program Only)

- To double the number of hardwired panel zones from 8 to 16, press YES.
- If Panel Zone doubling is not desired, press the **PRIOR/NO** button.
- The 16 zones will remain EOL terminated zones, requiring Normally Closed devices only.
- Refer to Wiring Diagram and Installation Instructions for wiring instructions

```
Fire Zones
Enter Zone # **
```

(Direct Entry)

Fire Zones in Area 1 (New Program Only)

- Enter the zone number of any Fire Zones (including 2-wire, 4-wire or wireless).
- Valid entries are from 01 to 64.
- Directly enter each zone number, including leading zeros, and press **SAVE** to save, and then repeat for any additional zone(s). Press the **NEXT/YES** button to proceed.

```
2-Wire Fire Zns
Enter Zone # **
```

(Direct Entry)

2-Wire Fire Zones in Area 1 (New Program Only)

- Enter the zone number of any Fire Zone (from previous question) to be used with 2-wire smoke detectors.
- Valid entries are 07 and 08. Directly enter each zone number, including leading zeros.
- Press **SAVE** to save, and repeat for any additional zone(s); press **NEXT/YES** to proceed.

NOTE: Only zones which have been designated as Fire Zones can be programmed as 2 Wire Fire zones. JP3 must be set to "2-WF" position for 2-wire fire. (refer to Installation Instructions).

```
Report All Zones
To Central? Y/N
```

(Press YES or NO)

Local or Central Station Reporting System (New Program Only)

Press the **NEXT/YES** button for all zones to report; press the **PRIOR/NO** button for local system

```
Exit/Entry Zones
Enter Zone # XX
```

(Direct Entry)

Exit/Entry Zones in Area 1 (New Program Only)

- Enter the zone numbers of zones to be used as Exit/Entry zones.
- Valid entries are from 01 to 64. Directly enter each zone number, including leading zeros.
- Press **SAVE** to save and repeat for any additional zone(s); press the **NEXT/YES** button to proceed.

NOTE: Exit/Entry time of 30 seconds will automatically be programmed.

```
Interior Zones
Enter Zone # XX
```

(Direct Entry)

Interior Zones in Area 1 (New Program Only)

- Enter the zone numbers to be used as Interior Zones.
- Valid entries are from 01 to 64. Directly enter each zone number, including leading zeros.
- Press **SAVE** to save and then repeat for any additional zone(s).
- Press the **NEXT/YES** button to proceed.
- All Interior zones will also be automatically programmed as "Exit/Entry Follower" and as "Power Up Delay" zones.

```
24 Hour Zones
Enter Zone # **
```

(Direct Entry)

24 Hour Zones in Area 1 (New Program Only)


- Enter the zone numbers of zones to be used as 24 Hour zones.
- Valid entries are from 01 to 64. Directly enter each zone number, including leading zeros.
- Press **SAVE** to save and repeat for any additional zone(s); press the **NEXT/YES** button to proceed.

NOTE: 24 Hour Zones will automatically be programmed as audible (Burg Output).

```
Chime Zones
Enter Zone # **
```

(Direct Entry)

Chime Zones in Area 1 (New Program Only)


- Enter the zone numbers which are to be used as Chime Zones.
- Valid entries are from 01 to 64. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s), press the **NEXT/YES** button to proceed.

NOTE: A chime time of 2 seconds will be automatically programmed.

```
Chime 2 Zones
Enter Zone # **
```

(Direct Entry)

Chime 2 Zones in Area 1 (New Program Only)

- Enter the zone numbers which are to be used as Chime 2 Zones.
- Valid entries are from 01 to 64. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s), Press the **NEXT/YES** button to proceed.


NOTE: A chime time of 2 seconds will be automatically programmed.

Chime 2 zones give a distinct pulsating tone when zone is faulted.

```
Exit/Entry2 Zones
Enter Zone # **
```

(Direct Entry)

Exit/Entry2 Zones in Area 1 (New Program Only)


- Enter the zone numbers of zones to be used as Exit/Entry zones.
- Valid entries are from 01 to 64. Directly enter each zone number, including leading zeros.
- Press  to save and repeat for any additional zone(s); press the **NEXT/YES** button to proceed.

NOTE: An Exit/Entry 2 Entry Time of 30 seconds will automatically be programmed.

```
50mS Loop Zones
Enter Zone # **
```

(Direct Entry)

50 mS Loop Response Zones (New Program Only) Note: 750mS is required for Loop Response time in UL installations.


- Enter the zone numbers of zones to be have a 50mS loop response.
- Valid entries are from 01 to 08. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s), Press the **NEXT/YES** button to proceed.

Note: Only panel zones 01-08 can be programmed for Quick Loop Response. All other zones can be programmed via their respective EZM's (hardwire). Time can also be adjusted via address 2280.

```
Aux Output Zones
Enter Zone # **
```

(Direct Entry)

Aux Output Activated on Alarm Zones (New Program Only)


- Enter the zone numbers of zones to activate the PGM2 upon alarm.
- Valid entries are from 01 to 64. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s), Press the **NEXT/YES** button to proceed.

NOTE: A PGM2 Timeout of 15 minutes will automatically be programmed.

```
Sensor Watch Zns
Enter Zone # **
```

(Direct Entry)

Sensor Watch Zones (New Program Only)


- Enter the zone numbers of zones to be Sensor Watch zones.
- Valid entries are from 01 to 64. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s), Press the **NEXT/YES** button to proceed.

NOTE: A Sensor Watch Time of 24 hours will automatically be programmed.

```
KP Sndr Alrm Zns
Enter Zone # **
```

(Direct Entry)


Keypad Sounder On Alarm Zones (New Program Only)

- Enter the zone numbers of all zones to activate the Keypad Sounder upon alarm.
- Valid entries are from 01 to 64. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s), Press the **NEXT/YES** button to proceed.

```
Auto Byp REnt Zn
Enter Zone # **
```

(Direct Entry)

Auto Bypass Re-entry Zones (New Program Only) (Not Evaluated by UL)

- Enter the zone numbers of zones to be Auto Bypass Re-entry zones.
- Valid entries are from 01 to 64. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s), Press the **NEXT/YES** button to proceed.
- Auto Bypass Re-entry Zones allow the system to be armed with the zone faulted but come back into the system (armed) when the zone is subsequently closed.

```
Enable No EOLR
Zones Y/N
```

(Press YES or NO)

Enable No EOLR Zones (New Program Only)

- Press **YES** to program all zones except 24 Hr & fire zones for No End Of Line Resistor. Press **NO** to continue. Do NOT program this feature for UL installations.

```
Enable Telco
Line Test? Y/N
```

(Press YES or NO)

Enable Telco Line Fault Test?

- Press **YES** to enable Telco Line Fault Test.
- Press **NO** to continue. **NOTE: If enabled, a Telco Line Fault Test Delay of 60 sec. will automatically be programmed.**



Enable Burg Out
Chirp? Y/N

(Press YES or NO)

Enable SIA CP-01?
Y/N

(Press YES or NO)

Area 1 Keypads
Enter # KPs 01

(Direct Entry)

Prog a Freedom
KP? Y/N

(Press YES or NO)

Enter Freedom
KeyPad # --

(Direct Entry)

Enter KeyPad PIR
Zone # --

(Direct Entry)

Enter Door1
Zone # --

(Direct Entry)

Enter Door2
Zone # --

(Direct Entry)

Chime 1
Zone # --

(Direct Entry)

Chime 2
Zone # --

(Direct Entry)

Aux2
Zone # --

(Direct Entry)

Add another Freedom
KP? Y/N

(Direct Entry)

Enable Burg Output Chirp on Keyfob?

- Press the **NEXT/YES** button to enable Burg Output Chirp on Keyfob Arm / Disarm.
- Press the **PRIOR/NO** button to continue.

NOTE: The Burg Output will chirp once on Keyfob Arm and twice on Keyfob Disarm.

Enable SIA CP-01 Features?

- Press the **NEXT/YES** button to enable.
- Press the **PRIOR/NO** button to continue.

The SIA CP-01 Features are designed to reduce the incidence of false alarms. **NOTE:** Do not enable unless reporting, otherwise system trouble *Fail to Communicate* may occur.

Number of Keypads in Area 1

- Enter the total number of Keypads to be installed in Area 1.
 - Valid entries are from 01 to 07. Directly enter the number of keypads, including leading zeros. Press **ENTER** to save. Press the **NEXT/YES** button to proceed.
- NOTE:** Area 2-4 keypads must be assigned in Direct Address Programming. See Keypad Options.

Program a Freedom Touchpad?

- Press **YES** to add a Freedom Touchpad and to jump to the next selection, listed directly below.
- Press **NO** to skip this selection and jump to **Central Station Receiver 1 Telephone Number** (see next page)

Enter the Freedom Touchpad Number

- Assign to the panel an address number for the Touchpad to be installed.
 - Valid entries are from 01 to 04. Directly enter the address number of the Touchpad, including leading zeros.
- Press **ENTER** to save. Press the **NEXT/YES** button to proceed.

Enter the Touchpad PIR Zone Number

- Enter the zone number to associate with the Touchpad PIR.
- Valid entries are from 01 to 64. Directly enter the number of the zone, including leading zeros. Press **ENTER** to save. Press the **NEXT/YES** button to proceed.

Enter Door Number 1 Zone Number

- Enter the zone number to associate with the Touchpad *primary* door.
- Valid entries are from 01 to 64. Directly enter the number of the zone, including leading zeros. Press **ENTER** to save. Press the **NEXT/YES** button to proceed.

Enter Door Number 2 Zone Number

- Enter the zone number to associate with the Touchpad *secondary* door.
- Valid entries are from 01 to 64. Directly enter the number of the zone, including leading zeros. Press **ENTER** to save. Press the **NEXT/YES** button to proceed.

Chime 1 Zone Number

- Enter the zone number to associate with the primary Touchpad Chime.
- Valid entries are from 01 to 64. Directly enter the number of the zone, including leading zeros. Press **ENTER** to save. Press the **NEXT/YES** button to proceed.

Chime 2 Zone Number

- Enter the zone number to associate with the secondary Touchpad Chime.
- Valid entries are from 01 to 64. Directly enter the number of the zone, including leading zeros. Press **ENTER** to save. Press the **NEXT/YES** button to proceed.

Aux 2 Zone Number

- Enter the zone number to associate with the PGM2 output (terminal 8 on the control panel).
- Valid entries are from 01 to 64. Directly enter the number of the zone, including leading zeros. Press **ENTER** to save. Press the **NEXT/YES** button to proceed.

Add Another Freedom Touchpad?

- Press **YES** to add a Freedom Touchpad and to jump up to the selection, "Enter Freedom KeyPad #" listed above.
- Press **NO** to skip this selection and jump to **Central Station Receiver 1 Telephone Number** (see next page).

Central Phone #

(Direct Entry)

Central Station Receiver 1 Telephone Number

- Enter telephone number of up to 16 digits.
- Press **[1]** through **[9P]** for digits 1–9; **[*] [0]** for a zero and **[0]** for a blank (*).
- Press **[*] [1]** through **[*] [5]** for letters B–F, respectively.
- Pre-Dial Delay = “D” (**[*] [4]**); Dial-Tone Detection = “E” (**[*] [5]**).
- Press **[]** to save and press the **NEXT/YES** button to proceed.

NOTE: Central Station Receiver 2 and 3 Telephone Numbers must be entered in Direct Address Programming. See CS Receiver Options.

Central Station
Account # (____)

(Direct Entry)

Central Station Receiver 1 Account Number

- Enter an account number of up to four digits.
- Press **[0]** through **[9P]** for digits 0–9, and **[*] [0]** for a blank (*).
- Press **[]** to save and press the **NEXT/YES** button to proceed.

NOTE: Central Station Receiver 2 and 3 Account Numbers must be entered in Direct Address Programming. See CS Reporting Options.

See WI for Info
Rcvr Format (0)

(Direct Entry)

Central Station Receiver 1 Format

- From the table at the right enter the receiver format.
- Press **[0]** through **[9P]**, and **[*] [0]** for blank (*).
- Press **[*] [1]** through **[*] [4]** for letters B–E.
- Press **[]** to save and press the **NEXT/YES** button to proceed.

Enter user code->
U01 123 - 9-

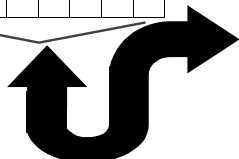
User# User Code Area 1 Area 2

Enter User Codes (Press **[MENU]** to set cursor.)

For default program, enter up to 64 User Codes, with Area 1, 2, 3 & 4 Options.

- Press the (**[MENU]**) button once to set the cursor to the User Code.
- Press **[0]** through **[9P]** to enter a code from 3 to 6 digits, leave blank (*) any trailing boxes.
- Press **[MENU]** to set the cursor to the Area 1 Options Level. Refer to the table below for available options. For Area 2 Options, press **[MENU]** once again. For Area 3 & 4 Options, press **[MENU]** a third and fourth time.
- If “Enable Global Ambush Code” (Address 1422) is enabled and “Global Ambush Code” (Address 2045) is **not** left blank (*), *do not* program the first two digits of ANY User Code the same as the “Global Ambush Code”. See Address 2045 further in this manual for more information.
- Press **[]** to save. **Note:** Duplicate User Codes are not allowed; therefore a duplicate Code entered in the LCD Window will erase when **[]** is pressed. To proceed to the next User Code, press **[MENU]** to set the cursor to the User Number and change it using the number buttons. Press the **NEXT/YES** button to proceed.

USER OPTIONS				
USER CODE (UP TO 6 DIGITS)	AREA 1 OPTIONS	AREA 2 OPTIONS	AREA 3 OPTIONS	AREA 4 OPTIONS



USER AREA OPTIONS		
DATA ENTRIES		OPTION ENABLED
L	R	
blank(*)	blank(*)	Disabled
blank(*)	1	Arm/Disarm
blank(*)	2	Arm Only
blank(*)	3	Service
blank(*)	4	Access
blank(*)	5	Ambush
blank(*)	Add 8	* User Program
4	blank(*)	Bypass Enable

DATA ENTRY	CS RECEIVER 1 FORMAT
• (blank)	Ademco Slow, Silent Knight Slow
2	Radionics Fast
3	Silent Knight Fast
4	Radionics, DCI, Franklin Slow
5	Universal High Speed
B	SIA
C	Ademco Point ID
E	Pager

Example: Program a code of “2222” for user 02, with area 1 options of “Arm/Disarm” and “User Program”. Enter “2222” for a user code, “• (blank) 9” for area 1 options and “• (blank) •(blank)” for area 2 options.



AREA OPTIONS	EXPLANATION
Disabled	User Code not active in this area.
Arm/Disarm	Allows User Code to arm/disarm this area.
Arm Only	Prevents User Code from disarming this area.
Service	A Service Code has restricted arm/disarm rights; if an area is armed with a Service Code, a "MONITOR ON" appears in the LCD window and the area can be disarmed with any valid User Code, including a Service Code. If the area is armed with OTHER than a Service Code, it CANNOT be disarmed with a Service Code. This is typically used to allow tradesmen access to premises under control of the owner.
Ambush	GEM-K-Series keypads: There are two types of Ambush Codes: (1) A 2-digit code (prefix) entered immediately prior to (and as part of) the regular User Code and (2) A separate and unique User Code. Disarming with an Ambush Code causes a silent report to be sent to a central station, thus, should a user be forced to disarm, he can silently signal an emergency while appearing to be merely disarming the system. With Touchpads, Ambush operates differently. See "Ambush" glossary entry in the Installation Instructions, WI1501 for more information. Note: Do not program method 1 in CP-01 compliant systems.
Access	This is normally used to activate a door strike while an area is disarmed. Also program "Access Control on PGM2. Output" (Address 0719) and "PGM2 Output Access Control Timeout" (Address 0711).
* User Program	User Program Option is enabled. To enable User Program Option for any user, add 8 to the data entry for Area Option (see example). Then, User Programming can be performed at any keypad by a user code with user program enabled.
Bypass Enable	Security Bypass-Bypass is enabled only with a security code.

Related User Options: "Enable Global Ambush Code" (Address 1422), "Global Ambush Code" (Address 2045) & "Enable Manager's Mode" (Address 1421).

CHANGING OR CANCELING A CODE: To change any code, merely program over the existing code as described above and press to save. Similarly, to cancel a code, blank out each number of the code and press to save.

```
ZN#   XMIT#+CS P
Zn01- 000000:0-0
```

Zone # Xmitter Check Point
Mapped to ID Sum #

RF Transmitter Points (Press to set cursor.)

For each transmitter enter: (For wireless systems only. Also see Quick Method, which follows)

- The zone number (01–64) to which the transmitter will be mapped.
- The 6-digit RF ID # and 1-digit checksum number printed on the transmitter and box,
- The point number (1–2); enter "9" for unsupervised (all points).
- Press to save and NEXT/YES button to proceed when all transmitters have been entered.

NOTE: When programming the ID Code number, "0" through "9" = through ; A = ; B = ; C = ; D = ; E = and "F" = .

```
ZN#   XMIT#+CS P
Zn01- 000000:0-0
```

```
ZN#   XMIT#+CS P
Zn01- ENROLL:A--
```

Quick "Enroll" Method: If a receiver is already installed in the panel, transmitter wireless points can be programmed automatically ("enrolled") using the following procedure. **NOTE:** The transmitter point will be enrolled only if the signal strength is 3 or greater.

1. Enter the zone number to which the transmitter point will be mapped.
2. Press to enter the Enroll Mode. The red and green LEDs on the programmer will flash and the window will display as shown at left.
3. Open the loop of the point that is to be programmed (GEM-TRANS2 only).
4. Install the transmitter battery. The programmer will beep to indicate that the point has been successfully enrolled. Multi-point transmitters can be mapped to successive zones simultaneously.

Example. A 2-point transmitter has the RF ID number 287613:1. Map point 1 to Zone 6 and point 2 to Zone 9.

1. Enter the Enroll mode as described above.
2. Enter Zone "06".
3. Open point-1 loop.
4. Install the battery. The programmer will beep once to indicate that one point has been programmed. (Transmitter 287613:1,

- point 1 will be mapped to Zone 6).
5. Enter Zone "09".
6. Close point-1 loop and open point-2 loop.
7. Remove the transmitter battery, then re-install it. The programmer will beep once to indicate that one point has been programmed. (Transmitter 287613:1, point 2 is mapped to Zone 9).

KEYFOB ZONE ASSIGNMENT: Keyfobs can also be assigned to zones to allow multiple wireless panic buttons on one alarm system, each reporting to a central station, a pager or having a description in the LCD window that describes the person holding the keyfob, the location where the person holding the keyfob is stationed, or the special purpose of the keyfob button being depressed. See the next page on Keyfob Transmitters as Zone Input Devices.

```
KF A XMIT#+CS OP
01-0 000000:0 00
```

KF Area Xmitter Check Aux
Area ID Sum 1&2

Keyfob Transmitters as Arm/Disarm & Control Devices (Press to set cursor).

Keyfobs can be programmed as "Arm/Disarm" devices using their On/Off buttons (refer to WI752). For each Keyfob Transmitter, enter:

- The Keyfob Transmitter number (01–8).
- The area number to which transmitter is assigned (0 to disable keyfob, 1 through 4).
- The 6-digit RF ID # and 1-digit checksum number printed on the transmitter and box,
- The Aux 1 Option (see keyfob aux 1 & aux 2 options).
- The Aux 2 Option (see keyfob aux 1 & aux 2 options).
- Press to save and NEXT/YES button to proceed when all keyfobs have been entered.

NOTE: When programming the ID Code number, "0" through "9" = through ; A = ; B = ; C = ; D = ; E = and "F" = .

Keyfob Transmitters as Zone Input Devices

(Refer to display above: press the PRIOR button to go backwards).


Each of the 4 keyfob buttons can be assigned to a zone. For example, On button = point 1; Off button = point 2; A1 = point 3; A2 = point 4. Up to 64 keyfobs (using 1 button) or 32 keyfobs (using 2 buttons) or 16 keyfobs (using all 4 buttons) or any combination up to a maximum of 64 controlled zones can be assigned, providing multiple wireless panic buttons on a system, each reporting to a Central Station or a pager and/or annunciating on a keypad/Touchpad the keyfob zone number with a description. To assign a keyfob to a zone: program the keyfob as you would a transmitter, entering the keyfob's ID code, check sum and point number at the appropriate zone. The "Quick Method" is not allowed. The zone may be hardwired to an electrical sensor as well as assigned to a keyfob (either one will activate the zone alarm output). **NOTE:** If assigning a keyfob to a zone, the "ON/OFF" buttons on the keyfob will no longer arm/disarm the system. The keyfob is converted to a "panic only" device.

DATA ENTRY	AUX 1/AUX 2 OPTIONS
0	None
1	Relay Group 1 Toggle
2	Relay Group 2 Toggle
9	Keypad Panic
A	Keypad Aux.
B	Instant
C	PGM2 Ouput Toggle
D	Access on PGM2 Output
E	Arm STAY
F	Interior Button

01-

(Direct Entry)

Enter Zone Descriptions

- For each zone, enter a description of up to two lines. Press  to save each description.
- See next page for instructions for entering characters and numbers for the zone descriptions.
- To proceed to the next description, place the cursor under the Zone Number (e.g. "1") and press the number that corresponds to the zone. Program new description as above.

Enter Date
(/ /)

(Direct Entry)


Enter Date (Press  to set cursor).

- Enter the current date in the format MM/DD/YY. (MM = month, DD = day and YY = year.
- Press  to save. Press the **NEXT/YES** button to proceed.

Enter Time
(:)

(Direct Entry)





Enter Time (Press  to set cursor).

- Enter the current time in format HH:MM:AP, where HH=hours (01–12); MM=minutes (00–59).
- Select AM or PM by pressing any number button.
- Press  to save. Press the **NEXT/YES** button to proceed.

Dealer Code
456789


DEALER CODE
RE-ENTER



Dealer Code





- Directly enter the Dealer Code (default = 456789), using  through  buttons.
- Press  to save. Re-enter the Dealer Code to verify the previous code. Press  to save.
- Press the **NEXT/YES** button to proceed.

TEST TIMER
SMTWTFSS HH:MM


Test Timer

- Select day(s) by simply erasing the unwanted days. Move the cursor over the day and press any number key to erase/restore the day. For example, "Monday" and "Friday" will appear as: "•M•••F•"
- Enter Time (in 24 hour format) by moving cursor under the left H and pressing two digits to overwrite the existing default of 00. **Note:** Midnight is 00:00. Enter minutes by continuing to enter data or if just updating minutes move the cursor under the left M and enter the two digits to overwrite the existing default of 00. Use  as right cursor one position.

EXIT DEALER PROGRAM MODE: This completes the custom default program. Press  to enter the Direct Address Program Mode for further programming or press  once again to end all programming.


CLEAR PROGRAM: Should it be necessary to create a new custom default program, (a) from the Dealer Program Mode, press  to enter the Address Program Mode; (b) access Location 2285 (Clear Program) or 2286 (Cold Start); (c) press  and then (d) press  to exit the Dealer Program Mode. A "SYSTEM TROUBLE/E09-00 SERVICE" will occur. Press  to silence the programmer.

Clear Dealer Program (Erases Dealer Program)

Use this feature to erase the Panel Program, while maintaining Scheduled Data and Zone Descriptions. Access address 2285 and press . Data entry is not allowed. **NOTE:** Enter Easy Menu Driven Program Mode to reprogram system.

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Cold Start (Erases Entire Program)

This erases all programmed data (Dealer Program, Zone Description Data and Schedules). Access address 2286 and press . Data entry is not allowed. **NOTE:** Some features (schedules) can only be programmed again with the Downloading Software.

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ENTERING ZONE DESCRIPTIONS

01-

Enter an identifying description for each zone. Characters are selected by pressing F-64PROG programmer buttons multiple times, "Cell Phone" style. Buttons [1] through [9P] plus [0] and [*] are used, as per the following table:

PRESS:	CHARACTERS DISPLAYED IN SEQUENCE	HOLD [*] AND PRESS:	CHARACTERS DISPLAYED IN SEQUENCE
[1]	ABC1	[1]	abc1
[2]	DEF2	[2]	def2
[3]	GHI3	[3]	ghi3
[4]	JKL4	[4]	jkl4
[5]	MNO5	[5]	mno5
[6]	PQR6	[6]	pqr6
[7F]	STU7	[7F]	stu7
[8A]	VWX8	[8A]	vwx8
[9P]	YZ90	[9P]	yz90
[0]	(SPACE) . - . () , / : ? #	[0]	(Reserved)

Press [MENU] to move cursor right.
 Press [BYPASS] to move cursor left.

Notes:

1. After releasing the number button for 2 seconds, the character will be accepted and the cursor advanced to the right.
2. After releasing the number button, if a new number button is pressed before the 2 second window expires, the current character will be accepted and the cursor automatically advanced to the right. The first of the 4 characters of this new number button will be displayed.
3. To erase an existing entry, use [MENU] to move the cursor below the character to be changed. Enter a new character to overwrite the old, or press zero to delete the character.
4. To generate lowercase characters, the [*] button must be pressed and held down while pressing the number button. If the [*] button is released during the 2 second window, the current character will change to uppercase.

Press [ENTER] to save.

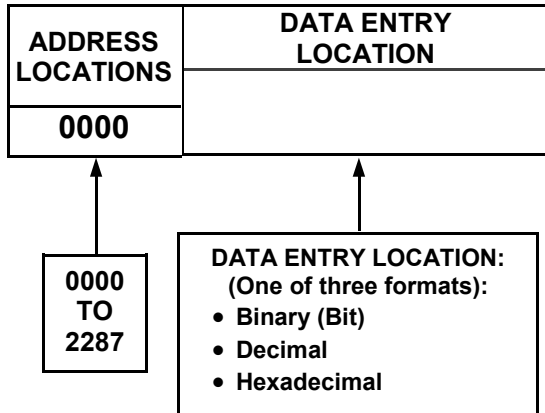
To advance to the next zone (or to any other zone), move the cursor to the displayed zone number (i.e., "01") using [MENU] and [BYPASS]. Change the zone number using keys [0] through [9P]. Enter two digits for the zone number (after entering the first digit, the cursor will automatically advance to the second digit). When the second zone number digit is entered, the cursor will automatically advance to the right, allowing the description locations to be entered. Always press [ENTER] to save each zone description.

ZONE DESCRIPTIONS

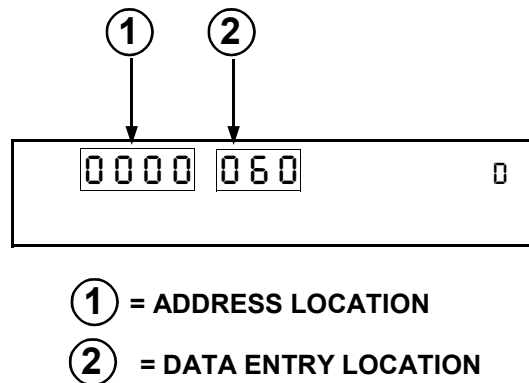
DIRECT ADDRESS PROGRAM MODE

DIRECT ADDRESS OVERVIEW

Direct Address Programming allows you to go directly to the address locations (up to 2287) and change the data entries manually in order to customize your control panel options. Whereas the Easy Menu Driven Program Mode guides you through limited selections to get you started, **Direct Address Program Mode** allows you to change all options directly. It consists of up to 2287 address locations each with data entry locations as shown in the following diagram (below left). The data entry location accepts data in one of three formats: Binary, Decimal and Hexadecimal (explained below in "Address Mode Displays"). The following diagram (below right) illustrates a *Decimal* format data entry location (using an F-64PROG programmer).



F-64PROG Programmer Display Example



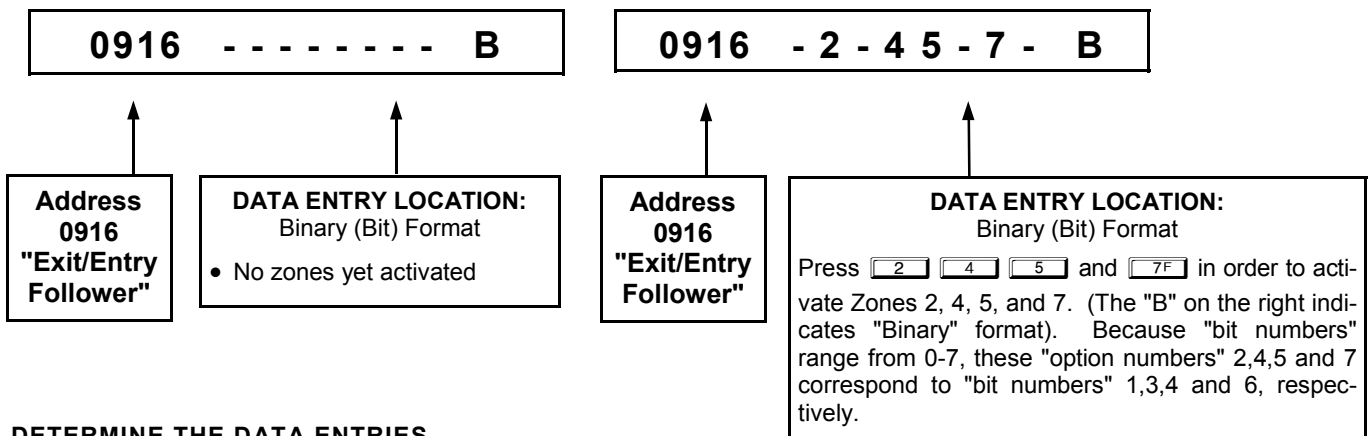
ADDRESS MODE DISPLAYS

There are three types of address displays when programming in Direct Entry Program Mode, as follows:

A) Binary (Bit) Format Example

Settings (such as Zone Features) display and accept data in "number" format. For example, Zone Features are turned on by the pressing of the programmer buttons 1 through 8, with the activated Zone(s) displaying the corresponding decimal digit (replacing deactivated zones which are signified by dashes).

EXAMPLE: BIT Format with the F-64PROG: Program Zones 2, 4, 5 and 7 as *Exit/Entry Follower Zones*.



DETERMINE THE DATA ENTRIES

- Referring to ZONE FEATURES in the Programming Worksheets that follow, the Exit/Entry Follower for Zones 1 through 8 are located at address 0916.

DIRECT ADDRESS PROGRAM MODE

ZONE FEATURES	ADDR	ZONES 1 → 8								ADDR	ZONES 9 → 16							
		Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8		Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8
Exit/Entry Follower	0916						6	7	8	0911								

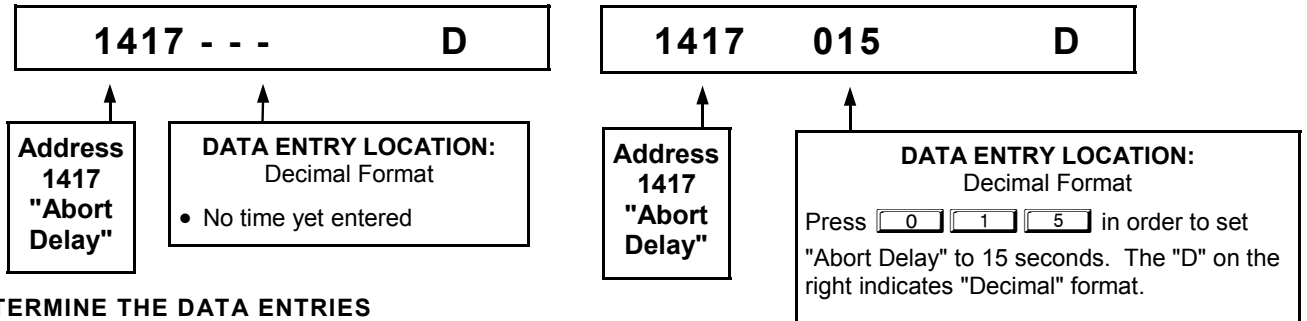
PROGRAM THE DATA ENTRIES

1. Enter the panel's Dealer Security Code, then press **[MENU]**.
2. Answer NO to all questions until "ACTIVATE PROGRAM Y/N" is displayed; then press YES. **NOTE:** If you pass "ACTIVATE PROGRAM", scroll backward using **[BYPASS]**.
3. Press **[RESET]** to enter the Address Program Mode. Address "0000" will display.
4. Press **[0]** **[9P]** **[1]** **[6]** to access Address 0916. *The existing data will display and the cursor will advance to the data field.*
5. Press **[6]** **[7F]** **[8A]**. The numbers 6,7 and 8 will appear on the programmer display indicating the zones activated.
6. Press **[ENTER]** to save. Address 0916 is now programmed with "6,7,8".
7. Press **[MENU]** and enter another 4-digit address to continue programming --or-- press **[RESET]** to exit.

B) Decimal Format Example

Settings (such as Entry and Exit Delay) display and accept data in decimal format, as a 3 digit number. Data is entered directly, by pressing keys 0 – 9, with the cursor automatically moving to the right upon each key press.

EXAMPLE: DECIMAL Format with the F-64PROG: Program *Abort Delay* to be 15 seconds.



DETERMINE THE DATA ENTRIES

1. Referring to SYSTEM DELAYS & TIMEOUTS in the Programming Worksheets that follow, the Abort Delay is located at address 1417:

ABORT DELAY (sec.)	ADDRESS 1417		

[Default = 0 sec. = blank (*)]

PROGRAM THE DATA ENTRIES

1. Enter the panel's Dealer Security Code, then press **[MENU]**.
2. Answer NO to all questions until "ACTIVATE PROGRAM Y/N" is displayed; then press YES. **NOTE:** If you pass "ACTIVATE PROGRAM", scroll backward using **[BYPASS]**.
3. Press **[RESET]** to enter the Address Program Mode. Address "0000" will display.
4. Press **[1]** **[4]** **[1]** **[7F]** to access Address 1417. *The existing data will display and the cursor will ad-*

vance to the data field.

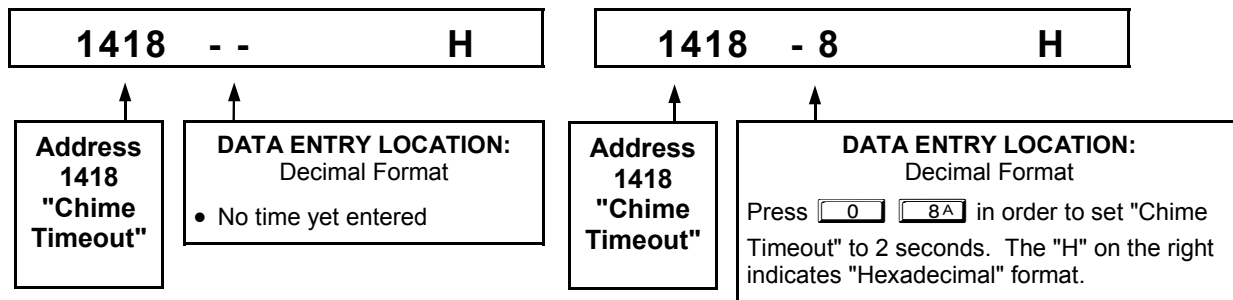
5. Press . The numbers 015 will appear on the programmer display indicating the number of seconds entered.
6. Press to save. Address 1417 is now programmed with a 15-second Abort Delay.
7. Press and enter another 4-digit address to continue programming--or--press to exit.

C) Hexadecimal Format Example

Data such as Report Codes displays and accepts data by means of a Hexadecimal display. Data is entered directly, by pressing keys 1 – 9, for zero, and through for hex B through F (11-15), with the cursor automatically moving to the right upon key press. See table below.

HEXADECIMAL ENTRIES					
ENTRY TOTAL	PRESS	KEYPAD DISPLAYS	ENTRY TOTAL	PRESS	KEYPAD DISPLAYS
blank	<input type="text" value="0"/>	•	8	<input type="text" value="8A"/>	8
1	<input type="text" value="1"/>	1	9	<input type="text" value="9P"/>	9
2	<input type="text" value="2"/>	2	10	<input type="text" value="*"/> <input type="text" value="0"/>	0
3	<input type="text" value="3"/>	3	11	<input type="text" value="*"/> <input type="text" value="1"/>	B
4	<input type="text" value="4"/>	4	12	<input type="text" value="*"/> <input type="text" value="2"/>	C
5	<input type="text" value="5"/>	5	13	<input type="text" value="*"/> <input type="text" value="3"/>	D
6	<input type="text" value="6"/>	6	14	<input type="text" value="*"/> <input type="text" value="4"/>	E
7	<input type="text" value="7F"/>	7	15	<input type="text" value="*"/> <input type="text" value="5"/>	F

EXAMPLE: HEXADECIMAL Format with the F-64PROG: Program *Chime Timeout* to be 2 seconds.



DETERMINE THE DATA ENTRIES

1. Referring to SYSTEM DELAYS & TIMEOUTS in the Programming Worksheets that follow, the Chime Timeout is located at address 1418. In the **"Chime Timeout Options"** table, the data entries needed to assign a timeout of 2 seconds are "blank" and "8".

CHIME TIMEOUT	ADDRESS 1418	
(1/4sec.)	<input type="text" value=""/>	<input type="text" value=""/>

[Default = 2 1/4sec. = 1/2 sec.]

CHIME TIMEOUT OPTIONS		
DATA ENTRIES		TIMEOUT
LEFT	RIGHT	
blank (*)	blank (*)	0 x 1/4sec. = 0 sec.
blank (*)	2	2 x 1/4sec. = 1/2 sec.
blank (*)	3	3 x 1/4sec. = 3/4 sec.
blank (*)	4	4 x 1/4sec. = 1 sec.
blank (*)	5	5 x 1/4sec. = 1.25 sec.
blank (*)	6	6 x 1/4sec. = 1.5 sec.
blank (*)	7	7 x 1/4sec. = 1.75 sec.
blank (*)	8	8 x 1/4sec. = 2 sec.
↓	↓	↓
F	F	255 x 1/4sec. = 63.25

← 2 seconds

PROGRAM THE DATA ENTRIES

1. Enter the panel's Dealer Security Code, then press **MENU**.
2. Answer NO to all questions until "ACTIVATE PROGRAM Y/N" is displayed; then press YES. **NOTE:** If you pass "ACTIVATE PROGRAM Y/N", scroll backward using **BYPASS**.
3. Press **RESET** to enter the Address Program Mode. Address "0000" will display.
4. Press **1** **4** **1** **8A** to access Address 1418. *The existing data will display and the cursor will advance to the data field.*
5. Since you wish the timeout to be for 2 seconds (and 8 multiplied by ¼ second equals 2 seconds), press **0** **8A**. The numbers 08 will appear on the programmer display indicating the number of seconds entered.
6. Press **SAVE** to save. Address 1418 is now programmed with a 2-second chime.
7. Press **MENU** and enter another 4-digit address to continue programming --or-- press **RESET** to exit.

PROGRAMMING CONVENTIONS USED IN THIS MANUAL

The Programming Worksheets in the back are provided as an address-programming reference to help the installer modify his custom default program or to make minor field alterations to an existing panel program. It is recommended that the panel be uploaded to NAPCO's PCD-Windows software following any F-64PROG programmer changes and that the PCD-Windows's error-check feature be utilized to reduce the possibility of programming omissions or conflicts.

Keep the Programming Worksheets on file for future reference.

General Programming Steps

1. Contact the central station to ascertain receiver format, data format, event codes, subscriber numbers and telephone number(s).
2. Select the desired features by circling (with a pencil) the respective "address" boxes. Refer to the Programming Options and Worksheets for guidance in selecting the "data" to be entered into those boxes.
3. Program the data entered in the boxes on the worksheets into the respective addresses. The display will show the entry numerically, but if hexadecimal format will display "0" for the number 10, and letters "B", "C", "D", "E", and "F" for the numbers 11 through 15, respectively. To program a 10, press ***** **0**. To program 11 through 15, press ***** **1** through ***** **5**, respectively.

The displays will appear after a brief delay.

- Use **MENU** to toggle the cursor between the 4-digit address field and the data entry locations.
- Enter the address directly using the number buttons.
- The contents of the address will be read automatically. The cursor will advance to the data field. Enter the required data directly using the number buttons.
- IMPORTANT:** Press **SAVE** to save the contents of each address.

EXIT DIRECT ADDRESS PROGRAM MODE: When done, press **RESET** to exit. Disconnect the F-64PROG programmer and reconnect the Freedom Touchpad.

SYSTEM DELAYS & TIMEOUTS (ADDRESS 0000-0002, 1413, 1417, 2050 & 2055)

EXIT DELAY (sec.)	ADDRESS 0000		

[Default = 060]

ENTRY DELAY 1 (sec.)	ADDRESS 0001		

[Default = 030]

ENTRY DELAY 2 (sec.)	ADDRESS 0002		

[Default = 030]

PGM2 Output Access Cntrl Timeout (sec.)	ADDRESS 1413		

[Default = 0 sec. = blank (*)]

ABORT DELAY (sec.)	ADDRESS 1417		

[Default = 030]

 Select delay/timeout (0-255 sec.).

EXIT/ENTRY DELAYS: Apply only to zones programmed with the following options "Exit/Entry 1, Exit/Entry 2, Exit/Entry Follower". For UL Installations, the maximum exit delay is 60 seconds and the maximum entry delay is 45 seconds. **NOTE:** Sensor Watch Time Options are similar to above, except in hours.


 Press  to save.

Sensor Watch Time (Hrs.)	ADDRESS 2050		

[Default = 024]

Report Cancel Window (min.)	ADDRESS 2055		

[Default = 0 min. = blank (*)]

 **WARNING:** Timers have uncertainty of +/-1 sec, so a "time" of 1 second may actually timeout IMMEDIATELY.

SYSTEM DELAYS & TIMEOUTS (ADDRESS 1418-1419)


CHIME TIME (¼sec.)	ADDRESS 1418		

[Default = 008 x ¼ sec. = 2 sec.]

AC Fail Report Delay (min.)	ADDRESS 1419		

[Default = 060]

DEFAULTS: The defaults shown on this page and on the following pages are automatically set after exiting the Easy Menu Driven Program Mode.

-  1. Enter delay/timeout in corresponding address locations above.
Note: All entries for address 1418 are in quarter seconds (.25 seconds). Therefore, the default of 008 results in a 2 second timeout.

 2. Press  to save.

DIRECT ADDRESS PROGRAM MODE

SYSTEM OUTPUT TIMEOUTS (ADDRESS 1412 & 1414-1416)

PGM2 Output	ADDRESS 1412		
Timeout (min.)			

[Default = 0 min. = blank (*)]

Alarm Output	ADDRESS 1414		
Timeout (min.)			

[Default = 015]

Pulse Alarm Output	ADDRESS 1415		
Timeout (min.)			

[Default = 015]

PGM1 Output	ADDRESS 1416		
Timeout (min.)			

[Default = 0 min. = blank (*)]

DATA ENTRIES	DELAY/ TIMEOUT
blank (*)	0 min.
001	1 min.
002	2 min.
003	3 min.
004	4 min.
005	5 min.
006	6 min.
016	16 min.
↓	↓
255	255 min.

1. Select delay/timeout (0-255 min.) from the table shown.
2. Enter in corresponding address locations above.
3. Press to save.

OUTPUT TIMEOUTS: If a timeout of "0 min." is selected, then the output will remain active (ON) until the system is reset or disarmed. For UL Residential Installations, the minimum timeout is 4 minutes. Not UL listed for Commercial Installations. For Canadian Residential Fire, the minimum timeout is 5 minutes.

DOWNLOAD/CALLBACK OPTIONS (ADDRESS 2059 & 0526-0545)

No. Rings Before Pickup	ADDRESS 2059		
[]			

[Default = 015]

NUMBER OF RINGS BEFORE PICKUP: Enter the number of rings before automatic pickup by the control panel when downloading from a computer (see Glossary at the back for more information).

1. Enter digit only.
2. Valid entries are: 003-015. **NOTE:** Default is 15 Rings.
3. Press to save.

Callback Telephone Number (Digits 1-20)	ADDRESS 0526-0545 (RIGHT DIGITS 1-20)																				
[]	0526	0527	0528	0529	0530	0531	0532	0533	0534	0535	0536	0537	0538	0539	0540	0541	0542	0543	0544	0545	
[]																					

[Default = blank (*) for all digits 1-20]

CALLBACK TELEPHONE NUMBER: Enter telephone number to be used when downloading from a computer (see Glossary at the back for more information).

1. Enter digit only (right nibble).
2. Enter up to 20 digits from left to right. **NOTE:** Leave trailing boxes blank (*).
3. Valid entries are: 1-9, B = , C = , D = 3 sec. pause, E = Wait for dial tone, F = ignore location.
4. Press to save.

PAGER FORMAT OPTIONS (ADDRESS 0546 & 0547)

Leading Digits for Pager Format (1st Digit)	ADDRESS 0546
[]	
Leading Digits for Pager Format (2nd Digit)	ADDRESS 0547
[]	

[Default = blank (*) blank (*)]

LEADING DIGITS FOR PAGER FORMAT: In Pager Format reporting, the message typically begins with "00". However, for some pager services, this will cause the Pager's Voice Mail feature to activate. This option allows you to program these digits to any number desired. A typical Pager report is "003 22 1234", where 3 is the Event, 22 is the zone, and 1234 is the Subscriber ID number. For example, if the Leading Digits are programmed as "98", the Pager report will now appear as "983 22 1234". **NOTE:** See CS Receiver Options to select Pager Format.

1. Enter in 1st and 2nd Leading Digits as shown (right nibble).
2. Valid entries are: 0-9. Press to save.

SYSTEM OPTIONS (ADDRESS 0836-0871 & 2045)

SYSTEM RESPONSE ACTIVATED BY GLOBAL EVENT/TROUBLE	ADDR	GLOBAL SYSTEM EVENT/TROUBLE							
		TEST TIMER	TELCO FAILURE	RF RCVR. TROUBLE	MEMORY FAILURE	LOW BATTERY	AC FAIL	EZM TAMPER	Bell Superv
		1	2	3	4	5	6	7	8
Alarm Output	0836								
Pulsed Alarm Output	0837								
PGM1 Output	0838								
PGM2 Output	0839								
Report Event Telco 1	0840								
Report Restore Telco 1	0841								
Report Event Telco 3	0842								
Report Restore Telco 3	0843								



[Default = blank (*) from address 0836-0843]. **Note:** If Test Timer is enabled (above), Digital Dialer Test is also enabled.



SYSTEM RESPONSE ACTIVATED BY AREA 1 EVENT/TROUBLE	ADDR	AREA 1 SYSTEM EVENT/TROUBLE							
		AMBUSH	KEYPAD PANIC	KEYPAD FIRE	KEYPAD AUX.*	KEYPAD TAMPER	FAIL TO OPEN	FAIL TO CLOSE	Keyfob Low Batt
		1	2	3	4	5	6	7	8
Pulsed Alarm Output	0856								
Alarm Output	0857								
PGM1 Output	0858								
PGM2 Output	0860								
Report Event Telco 1	0861								
Report Event Telco 3	0863								

[Default = blank (*) from address 0856-0863] * **NOTE:** Keypad Aux. is not to be selected for UL Installations.

SYSTEM RESPONSE ACTIVATED BY AREA 2 EVENT/TROUBLE	ADDR	AREA 2 SYSTEM EVENT/TROUBLE							
		AMBUSH	KEYPAD PANIC	KEYPAD FIRE	KEYPAD AUX.*	KEYPAD TAMPER	FAIL TO OPEN	FAIL TO CLOSE	Keyfob Low Batt
		1	2	3	4	5	6	7	8
Pulsed Alarm Output	0864								
Alarm Output	0865								
PGM1 Output	0866								
PGM2 Output	0868								
Report Event Telco 1	0869								
Report Event Telco 3	0871								

[Default = blank (*) blank (*) from address 0864-0871] * **NOTE:** Keypad Aux. is not to be selected for UL Installations.

-  1. Select the desired option entering the option number (1-8) for each digit.
-  2. Enter corresponding option number in address location.

 **NOTE:** Dark shaded data value box shows option not available. Press  to save.

Global Ambush Code	ADDRESS 2045	
	1st digit	2nd digit

[Default = blank (*) blank (*)]

GLOBAL AMBUSH CODE: For GEM-K Series keypads, it is the 2-digits entered immediately prior to the regular disarm code. If "Enable Global Ambush Code" (Address 1422) is selected and Address 2045 is left blank (*), then the 2-digit Global Ambush Code is "99". If "Enable Global Ambush Code" is selected and Address 2045 is **not** left blank (*), then the 2-digit Global Ambush Code is the two digits entered in address 2045. For Touchpads, see "Ambush" glossary entry in install instructions WI1501. Enter in address location (both 1st and 2nd digits); valid entries are 1-9. Press **ENTER** to save. **Note:** Do not program in CP-01 compliant systems.



SYSTEM OPTIONS (ADDRESS 0872-0887)

SYSTEM RESPONSE ACTIVATED BY AREA 3 EVENT/TROUBLE	ADDR	AREA 3 SYSTEM EVENT/TROUBLE							
		AMBUSH	KEYPAD PANIC	KEYPAD FIRE	KEYPAD AUX. *	KEYPAD TAMPER	FAIL TO OPEN	FAIL TO CLOSE	Keyfob Low Batt
		1	2	3	4	5	6	7	8
Pulsed Alarm Output	0872								
Alarm Output	0873								
PGM1 Output	0874								
PGM2 Output	0876								
Report Event Telco 1	0877								
Report Event Telco 3	0879								

[Default = blank (*) from address 0872-0879] * **NOTE:** Keypad Aux. is not to be selected for UL Installations.

SYSTEM RESPONSE ACTIVATED BY AREA 4 EVENT/TROUBLE	ADDR	AREA 4 SYSTEM EVENT/TROUBLE							
		AMBUSH	KEYPAD PANIC	KEYPAD FIRE	KEYPAD AUX. *	KEYPAD TAMPER	FAIL TO OPEN	FAIL TO CLOSE	Keyfob Low Batt
		1	2	3	4	5	6	7	8
Pulsed Alarm Output	0880								
Alarm Output	0881								
PGM1 Output	0882								
PGM2 Output	0884								
Report Event Telco 1	0885								
Report Event Telco 3	0887								

[Default = blank (*) blank (*) from address 0880-0887] * **NOTE:** Keypad Aux. is not to be selected for UL Installations.

1. Select the desired option entering the option number (1-8) for each digit.
2. Enter corresponding option number in address location.

NOTE: Dark shaded data value box shows option not available. Press to save.

SYSTEM OPTIONS (ADDRESS 2063)

2063	System Options	
Default	Option	Option
OFF	1	RESERVED
OFF	2	RESERVED
OFF	3	RESERVED
OFF	4	RESERVED
OFF	5	RESERVED
OFF	6	RESERVED
OFF	7	Enable Low Security Fire Alarm Silence
OFF	8	RESERVED

SYSTEM OPTIONS:

When option 7, "Enable Low Security Fire Alarm Silence", is enabled, a fire alarm (pulsing Bell) will silence if **RESET** is pressed from a Freedom Touchpad (or GEM-K1CA keypad). The Touchpad must be in an area that the allows silencing from the initiating area.

1. Select the desired option entering the option number (1-8) for each digit.
2. Enter corresponding option number in address location.

NOTE: Dark shaded data value box shows option not available. Press **Enter** to save.

DIRECT ADDRESS PROGRAM MODE



SYSTEM OPTIONS (ADDRESS 1420-1424, 2051-2054)

DIRECT ADDRESS PROGRAM MODE

1420 System Options		
Default		Option
OFF	1	Opening Report Only after Alarm Report
OFF	2	Closing Report Only on Conditional Close
OFF	3	Incl. Sel./Grp. Bypass in Cond. Close /Status
OFF	4	Status Report
OFF	5	RESERVED
OFF	6	Enable AutoArm if not closed at end of Window
OFF	7	Enable Keypad Time/Date Display
OFF	8	Disable Zone Fault Scrolling

1422 System Options		
Default		Option
OFF	1	Interior Normally Bypassed
OFF	2	Enable Global Ambush Code ***
OFF	3	Reset Day Zone with Arm/Disarm Only
OFF	4	Enable Residential Fire
OFF	5	Disable Keypad Function Mode Download
OFF	6	Disable Callback Download
OFF	7	Chirp Output on Keyfob Arm/Disarm
OFF	8	Change Pulse Output to Temporal Output [§]

[§]This feature must be programmed in Fire Alarm applications.

1424 System Options		
Default		Option
OFF	1	Automatic Interior Bypass/Easy Exit
OFF	2	Veri-phone Zones Trip PGM2 Output
OFF	3	Veri-phone Audio Priority Over Alarms
OFF	4	Resound on Wireless Smoke Low Battery
OFF	5	Don't Clear PGM2 Output with Disarm
OFF	6	Disable 2nd Call Ans. Machine Override
OFF	7	RESERVED
ON	8	Disable Code Required for EZ Bypass

2052 E15 Lug / System Options		
Default		Option
OFF	1	RESERVED
OFF	2	RESERVED
OFF	3	<input checked="" type="checkbox"/> Lug E15 Area 1 Armed Away Only****
OFF	4	<input checked="" type="checkbox"/> PGM on RF Transmitter Tamper
OFF	5	RESERVED
OFF	6	RESERVED
OFF	7	RESERVED
OFF	8	RESERVED

***NOTE:** Address 1423: Default depends on Easy Menu Driven Program Mode question :“EZ_ZONE DOUBLING? Y/N”. If yes, then [Default = 1]. If no, then [Default = blank (•)].

****NOTE:** To select “Line-Fault Test only when Armed”, you must also select “Enable Line-Fault Test” at address 1423.

*****NOTE:** If “Enable Global Ambush Code” in Address 1422 is selected, then program the 2-digit “Global Ambush Code” in Address 2045. If Address 2045 is left blank (•), then, the 2-digit “Global Ambush Code” will be “99”.

******NOTE:** If this feature is not selected, the E15 Lug will, by default, activate when the system is armed (all areas).

1421 System Options		
Default		Option
OFF	1	Auto Bell Test on Arming
OFF	2	Auto Reset after Burglary Output Timeout
OFF	3	Suppress Bypass Reminder when Armed
OFF	4	Enable Local Alarm on First Zone AND Trip
OFF	5	Access Control on PGM2 Output
OFF	6	Maintained Keyswitch Arming
OFF	7	Enable Manager's Mode
OFF	8	Disable Keypad Instant Mode

1423 System Options		
Default*		Option
OFF*	1	Enable Zone Doubling (Zones 9-16)
OFF*	2	Wireless Trouble Activates Telco 1
OFF*	3	Wireless Trouble Activates Telco 3
OFF*	4	Enable Alarm Output on Telco Fail only when Armed
OFF*	5	Line-Fault Test only when Armed**
OFF*	6	Enable Line-Fault Test**
OFF*	7	<input checked="" type="checkbox"/> Inhibit System Trouble Audible at Keypad
OFF*	8	Select Alarm Output for Keyfob Chirp

Not for UL Installations.

2051 System Options		
Default		Option
OFF	1	Enable Keypad Set Time/Date Message
OFF	2	Enable Cancel Report to Telco 3
OFF	3	Disable [ON/OFF] as Easy Exit
OFF	4	Enable GEM-PRINT Module
OFF	5	RESERVED
OFF	6	RESERVED
OFF	7	<input checked="" type="checkbox"/> Disable System Trouble Audible Timeout
OFF	8	Enable "K Series" Style Keypads ††

†† NOTE: For reference only and cannot be changed.
NOTE: Option 7 required for UL Installations

2053 System Options		
Default		Option
OFF	1	Exit Time Restart
OFF	2	Sound Alarm On Exit Error
OFF	3	Rpt Exit Err/Recent Close
OFF	4	Enable CP-01 Limits
OFF	5	Digital Dialer Rpt Enter /Exit Test Mode
OFF	6	Disable Call Waiting on 1st Attempt
OFF	7	Enable Keypad 1 Only Programming
OFF	8	Enable CP-01 Egress Tones Only

2054 System Options		
Default		Option
OFF	1	<input checked="" type="checkbox"/> Enable TCP/IP Communications
OFF	2	RESERVED
OFF	3	RESERVED
OFF	4	RESERVED
OFF	5	RESERVED
OFF	6	RESERVED
OFF	7	RESERVED
OFF	8	RESERVED



CS RECEIVER OPTIONS (ADDRESS 0460-0525)

CS Receiver 1	ADDRESS 0460	
Format		

CS Receiver 2	ADDRESS 0482	
Format		

CS Receiver 3	ADDRESS 0504	
Format		

DATA ENTRY	CS RECEIVER 1 FORMAT
blank (*)	Ademco Slow, Silent Knight Slow
2	Radionics Fast
3	Silent Knight Fast
4	Radionics, DCI, Franklin Slow
5	Universal High Speed
B	SIA
C	Ademco Point ID
E	Pager *

Default for CS Receiver 1 Format depends on Easy Menu Driven Program Mode question "RCVR FORMAT".
 [Default = *(blank) *(blank)] for CS Receivers 2 and 3 Formats.

CS RECEIVER FORMATS: Up to 3 CS Formats may be programmed.

1. Select the desired CS Receiver Format from the table shown.
2. Enter the corresponding digit in the address location for each CS Receiver. **NOTE:** Dark shaded data value box shows option not available. Press [Enter] to save.

NOTE: * See Pager Format Options to program Leading Digits for Pager Format.

0461	CS Receiver Options - Telco 1	
Default	Option	Option
OFF	1	1400Hz Handshake/Kissoff *
OFF	2	2300Hz Handshake/Kissoff *
OFF	3	Enable Zone Number on Pulse Alarm
OFF	4	Single Digit Only
OFF	5	Sum Check
OFF	6	3/1 with Extended Restores
OFF	7	RESERVED
OFF	8	RESERVED

0483	CS Receiver Options - Telco 2	
Default	Option	Option
OFF	1	1400Hz Handshake/Kissoff *
OFF	2	2300Hz Handshake/Kissoff *
OFF	3	Enable Zone Number on Pulse Alarm
OFF	4	Single Digit Only
OFF	5	Sum Check
OFF	6	3/1 with Extended Restores
OFF	7	RESERVED
OFF	8	RESERVED

0505	CS Receiver Options - Telco 3	
Default	Option	Option
OFF	1	1400Hz Handshake/Kissoff *
OFF	2	2300Hz Handshake/Kissoff *
OFF	3	Enable Zone Number on Pulse Alarm
OFF	4	Single Digit Only
OFF	5	Sum Check
OFF	6	3/1 with Extended Restores
OFF	7	RESERVED
OFF	8	RESERVED

CS RECEIVER OPTIONS:

Select options for any of the three CS Receivers.

1. Select the desired option entering the option number (1-8) for each digit.
2. Enter corresponding option number in address location.

NOTE: Dark shaded data value box shows option not available. Press [Enter] to save.

***NOTE:** If both are selected, 1400Hz has priority over 2300Hz.

CS Receiver 1	ADDRESS 0462-0481 (RIGHT DIGITS 1-20)																				
Telephone Number	0462	0463	0464	0465	0466	0467	0468	0469	0470	0471	0472	0473	0474	0475	0476	0477	0478	0479	0480	0481	
(Digits 1-20)																					

CS Receiver 2	ADDRESS 0484-0503 (RIGHT DIGITS 1-20)																				
Telephone Number	0484	0485	0486	0487	0488	0489	0490	0491	0492	0493	0494	0495	0496	0497	0498	0499	0500	0501	0502	0503	
(Digits 1-20)																					

CS Receiver 3	ADDRESS 0506-0525 (RIGHT DIGITS 1-20)																				
Telephone Number	0506	0507	0508	0509	0510	0511	0512	0513	0514	0515	0516	0517	0518	0519	0520	0521	0522	0523	0524	0525	
(Digits 1-20)																					

Default for CS Receiver 1 Telephone Number depends on Easy Menu Driven Program Mode question "CENTRAL PHONE #".

[Default = blank (*)] across digits 1-20 for CS Receiver Telephone Numbers 2 and 3.

CS RECEIVER TELEPHONE NUMBERS: Enter telephone numbers for any of the three CS Receivers (Telco 1, 2 & 3).

1. Enter digit only.
2. Enter up to 20 digits from left to right. **NOTE:** Leave trailing boxes blank (*). Press [Enter] to save.
3. Valid entries are: 1-9, B = [*] button, C = [#] button, D = 3 sec. pause, E = Wait for dial tone, F = Ignore location

DIRECT ADDRESS PROGRAM MODE



CS SUBSCRIBER ID OPTIONS (ADDRESS 0560-0667)

CS Telco 1 Sub- scriber Opening/ Closing ID Number (Area 1)	ADDRESS 0560-0563 (RIGHT DIGITS 1-4)			
	0560	0561	0562	0563

CS Telco 1 Sub- scriber Opening/ Closing ID Number (Area 2)	ADDRESS 0564-0567 (RIGHT DIGITS 1-4)			
	0564	0565	0566	0567

CS Telco 1 Sub- scriber Opening/ Closing ID Number (Area 3)	ADDRESS 0568-0571 (RIGHT DIGITS 1-4)			
	0568	0569	0570	0571

CS Telco 1 Sub- scriber Opening/ Closing ID Number (Area 4)	ADDRESS 0572-0575 (RIGHT DIGITS 1-4)			
	0572	0573	0574	0575

CS Telco 1 Sub- scriber Event ID Number (Area 1)	ADDRESS 0576-0579 (RIGHT DIGITS 1-4)			
	0576	0577	0578	0579

CS Telco 1 Sub- scriber Event ID Number (Area 2)	ADDRESS 0580-0583 (RIGHT DIGITS 1-4)			
	0580	0581	0582	0583

CS Telco 1 Sub- scriber Event ID Number (Area 3)	ADDRESS 0584-0587 (RIGHT DIGITS 1-4)			
	0584	0585	0586	0587

CS Telco 1 Sub- scriber Event ID Number (Area 4)	ADDRESS 0588-0591 (RIGHT DIGITS 1-4)			
	0588	0589	0590	0591

CS Telco 1 Sub- scriber Event ID Number (System)	ADDRESS 0592-0595 (RIGHT DIGITS 1-4)			
	0592	0593	0594	0595

CS Telco 2 Sub- scriber Opening/ Closing ID Number (Area 1)	ADDRESS 0596-0599 (RIGHT DIGITS 1-4)			
	0596	0597	0598	0599

CS Telco 2 Sub- scriber Opening/ Closing ID Number (Area 2)	ADDRESS 0600-0603 (RIGHT DIGITS 1-4)			
	0600	0601	0602	0603

CS Telco 2 Sub- scriber Opening/ Closing ID Number (Area 3)	ADDRESS 0604-0607 (RIGHT DIGITS 1-4)			
	0604	0605	0606	0607

CS Telco 2 Sub- scriber Opening/ Closing ID Number (Area 4)	ADDRESS 0608-0611 (RIGHT DIGITS 1-4)			
	0608	0609	0610	0611

CS Telco 2 Sub- scriber Event ID Number (Area 1)	ADDRESS 0612-0615 (RIGHT DIGITS 1-4)			
	0612	0613	0614	0615

CS Telco 2 Sub- scriber Event ID Number (Area 2)	ADDRESS 0616-0619 (RIGHT DIGITS 1-4)			
	0616	0617	0618	0619

CS Telco 2 Sub- scriber Event ID Number (Area 3)	ADDRESS 0620-0623 (RIGHT DIGITS 1-4)			
	0620	0621	0622	0623

CS Telco 2 Sub- scriber Event ID Number (Area 4)	ADDRESS 0624-0627 (RIGHT DIGITS 1-4)			
	0624	0625	0626	0627

CS Telco 2 Sub- scriber Event ID Number (System)	ADDRESS 0628-0631 (RIGHT DIGITS 1-4)			
	0628	0629	0630	0631

CS Telco 3 Sub- scriber Opening/ Closing ID Number (Area 1)	ADDRESS 0632-0635 (RIGHT DIGITS 1-4)			
	0632	0633	0634	0635

CS Telco 3 Sub- scriber Opening/ Closing ID Number (Area 2)	ADDRESS 0636-0639 (RIGHT DIGITS 1-4)			
	0636	0637	0638	0639

CS Telco 3 Sub- scriber Opening/ Closing ID Number (Area 3)	ADDRESS 0640-0643 (RIGHT DIGITS 1-4)			
	0640	0641	0642	0643

CS Telco 3 Sub- scriber Opening/ Closing ID Number (Area 4)	ADDRESS 0644-0647 (RIGHT DIGITS 1-4)			
	0644	0645	0646	0647

CS Telco 3 Sub- scriber Event ID Number (Area 1)	ADDRESS 0648-0651 (RIGHT DIGITS 1-4)			
	0648	0649	0650	0651

CS Telco 3 Sub- scriber Event ID Number (Area 2)	ADDRESS 0652-0655 (RIGHT DIGITS 1-4)			
	0652	0653	0654	0655

CS Telco 3 Sub- scriber Event ID Number (Area 3)	ADDRESS 0656-0659 (RIGHT DIGITS 1-4)			
	0656	0657	0658	0659

CS Telco 3 Sub- scriber Event ID Number (Area 4)	ADDRESS 0660-0663 (RIGHT DIGITS 1-4)			
	0660	0661	0662	0663

CS Telco 3 Sub- subscriber Event ID Number (System)	ADDRESS 0664-0667 (RIGHT DIGITS 1-4)			
	0664	0665	0666	0667

Default for CS Telco 1 Subscriber Event ID Number (Area 1) depends on Easy Menu Driven Program Mode question "ACCOUNT #". [Default = blank (•) blank (•) blank (•) blank (•)] for all other ID Numbers.

CS TELCO SUBSCRIBER ID NUMBERS: Enter the Subscriber Opening/Closing and Event ID Numbers for any of the 3 CS Receivers.

 1. Enter 3 or 4 digits (depending on the CS receiver format) for each subscriber number from left to right.

NOTE: Leave trailing boxes blank (•).

 2. Valid entries are: 1-9, 0 and B-F. **NOTE:** A is not permitted. Press [Enter] or ON/OFF] to save.



CS SYSTEM REPORTING OPTIONS (ADDRESS 0670-0705)

CS SYSTEM	ADDRESS 0670-0682	
		ADDR
Alarm Restore	blank (*)	0670
Trouble	blank (*)	0671
Trouble Restore	blank (*)	0672
Xmitter Low Battery	blank (*)	0673
Xmitter Supervision	blank (*)	0674
Xmitter Tamper	blank (*)	0675
RESERVED	blank (*)	0676 blank (*)
Opening	blank (*)	0677
Closing	blank (*)	0678
Opening after Alarm	blank (*)	0679
Conditional Close	blank (*)	0680
Cancel	blank (*)	0681
Test Timer		0682

CS SYSTEM	ADDRESS 0683-0708	
		ADDR
Telco Fail		0683
RF Rec. Trouble		0684
Memory Fail		0685
Low Battery		0686
Panel AC Fail		0687
EZM Tamper		0688
Alarm Output Superv.		0689
Ambush		0698
Panic		0699
Fire		0700
Auxiliary *		0701
Tamper		0702
Fail to Open		0703
Fail to Close		0704
Keyfob Low Battery		0705

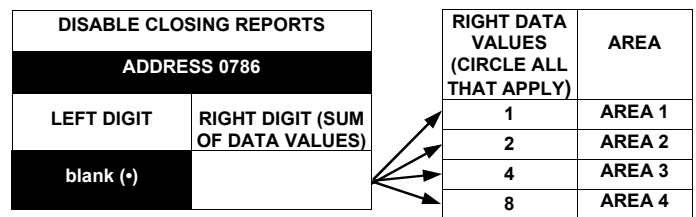
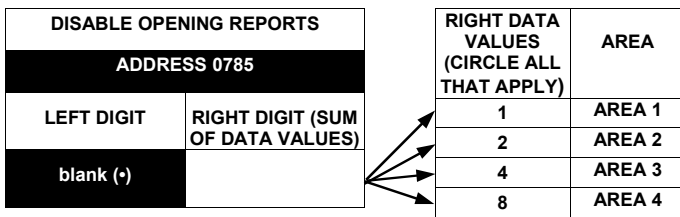
CS SYSTEM REPORTING CODES:

1. Enter in corresponding address location (left and right digits).
NOTE: Left digit is the first digit and right digit is the second digit in a two digit CS receiver format.
 2. Valid entries are: 1-9, 0 and B-F.
NOTE: A is not permitted.
 3. To disable a code leave boxes blank (*).
NOTE: Dark shaded data value box shows option not available.
 4. Press to save.
- * NOTE:** Keypad Aux. is not to be selected for UL Installations.

[Default = blank (*) blank (*) from address 0670-0682]
[Default = blank (*) blank (*) from address 0683-0705]

DIRECT ADDRESS PROGRAM MODE

CS AREA & SYSTEM REPORTING OPTIONS (ADDRESS 0785, 0786 & 0788)



[Default = blank (*) blank (*)]

[Default = blank (*) blank (*)]

OPENING REPORT OPTIONS:

1. Select the desired option by circling the data values for each digit (left and right).
2. Add the data values (ex: F=15=(1+2+4+8) from the selected options. See page 13).
3. Enter in address location (left and right digits).

NOTE: Dark shaded data value box shows option not available. Press to save.

0788	CS System Report Options	
Default		Option
OFF	1	Backup Report on Telco 1 & 2
OFF	2	Touch-tone Dialing Only *
OFF	3	Touch-tone Dialing w/Rotary Backup *
OFF	4	RESERVED
OFF	5	Cancel Next Test Timer on any Report
OFF	6	Disable Wait for Silence (Pager Format)
OFF	7	Disable Wait for Handshake on Transmit
OFF	8	Disable Auto Dial Tone Detect

CS SYSTEM REPORTING OPTIONS:

1. Select the desired option entering the option number (1-8) for each digit.
2. Enter corresponding option number in address location.
NOTE: Dark shaded data value box shows option not available.
3. Press to save.

*** NOTE:** If neither Touch-tone Dialing nor Touch-tone w/Rotary Backup is selected, then system defaults automatically to Rotary Dialing. Leave blank (*) to select Rotary Dialing.

CS ZONE REPORTING OPTIONS (ADDRESS 0720-0783)

ADDRESS 0720-0727							
CONTROL PANEL ZONES REPORT CODE							
ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
0720	0721	0722	0723	0724	0725	0726	0727

ADDRESS 0728-0731			
ZONES REPORT CODE			
ZONE 9	ZONE 10	ZONE 11	ZONE 12
0728	0729	0730	0731

ADDRESS 0732-0735			
ZONES REPORT CODE			
ZONE 13	ZONE 14	ZONE 15	ZONE 16
0732	0733	0734	0735

ADDRESS 0736-0739			
ZONES REPORT CODE			
ZONE 17	ZONE 18	ZONE 19	ZONE 20
0736	0737	0738	0739

ADDRESS 0740-0743			
ZONES REPORT CODE			
ZONE 21	ZONE 22	ZONE 23	ZONE 24
0740	0741	0742	0743

ADDRESS 0744-0747			
ZONES REPORT CODE			
ZONE 25	ZONE 26	ZONE 27	ZONE 28
0744	0745	0746	0747

ADDRESS 0748-0751			
ZONES REPORT CODE			
ZONE 29	ZONE 30	ZONE 31	ZONE 32
0748	0749	0750	0751

ADDRESS 0752-0759							
CONTROL PANEL ZONES REPORT CODE							
ZONE 33	ZONE 34	ZONE 35	ZONE 36	ZONE 37	ZONE 38	ZONE 39	ZONE 40
0752	0753	0754	0755	0756	0757	0758	0759

ADDRESS 0760-0763			
ZONES REPORT CODE			
ZONE 41	ZONE 42	ZONE 43	ZONE 44
0760	0761	0762	0763

ADDRESS 0764-0767			
ZONES REPORT CODE			
ZONE 45	ZONE 46	ZONE 47	ZONE 48
0764	0765	0766	0767

ADDRESS 0768-0771			
ZONES REPORT CODE			
ZONE 49	ZONE 50	ZONE 51	ZONE 52
0768	0769	0770	0771

ADDRESS 0772-0775			
ZONES REPORT CODE			
ZONE 53	ZONE 54	ZONE 55	ZONE 56
0772	0773	0774	0775

ADDRESS 0776-0779			
ZONES REPORT CODE			
ZONE 57	ZONE 58	ZONE 59	ZONE 60
0776	0777	0778	0779

ADDRESS 0780-0783			
ZONES REPORT CODE			
ZONE 61	ZONE 62	ZONE 63	ZONE 64
0780	0781	0782	0783

Default for Group Zone Report Codes depends on Easy Menu Driven Program Mode question "RCVR. FORMAT".


ZONE REPORT CODE OPTIONS	
DATA ENTRIES	

NOTE: If "Zone Doubling" (Address 1423) is **not** enabled, then Zones 1-8 are included in the control panel and Zones 9-64 are EZM Zones. If "Zone Doubling" is enabled, then Zones 1-16 are included in the control panel and Zones 17-64 are EZM Zones. See Address 1455-1468 to enable "EZM Group Options".

DATA ENTRIES LEFT	MODEM CODE
1	Fire
2	Panic
3	Burglary
4	Hold up
7	Gas Alarm
8	Heat Alarm
0	Auxiliary Alarm
B	24 Hour Auxiliary

PULSE EVENT CODE will be the first digit of the 2 digit reporting code. The second digit will be the second digit of the reporting zone. For example, for zone 9 (address 0728), if the right digit is "3", then the reporting code is "39". For example, for zone 15 (address 0734), if the right digit is "4", then the reporting code is "45".

MODEM CODES determine the zone types reported for the following formats: SIA and ADEMCO Point ID.

1. Select the desired Modem Code for each zone from the table shown.
2. Press  to save.

DIRECT ADDRESS PROGRAM MODE



CS USER REPORTING OPTIONS (ADDRESS 0800-0835)

	ADDR	USERS 1 → 8								ADDR	USERS 9 → 16							
		U1	U2	U3	U4	U5	U6	U7	U8		U9	U10	U11	U12	U13	U14	U15	U16
Enable Users to Report Opening and Closings		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8
Enable Opening Report, Telco 1	0800									0801								
Enable Closing Report, Telco 1	0809									0810								
Enable Opening Report, Telco 3	0818									0819								
Enable Closing Report, Telco 3	0827									0828								

	ADDR	USERS 17 → 24								ADDR	USERS 25 → 32							
		U17	U18	U19	U20	U21	U22	U23	U24		U25	U26	U27	U28	U29	U30	U31	U32
Enable Users to Report Opening and Closings		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8
Enable Opening Report, Telco 1	0802									0803								
Enable Closing Report, Telco 1	0811									0812								
Enable Opening Report, Telco 3	0820									0821								
Enable Closing Report, Telco 3	0829									0830								

	ADDR	USERS 33 → 40								ADDR	USERS 41 → 48							
		U33	U34	U35	U36	U37	U38	U39	U40		U41	U42	U43	U44	U45	U46	U47	U48
Enable Users to Report Opening and Closings		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8
Enable Opening Report, Telco 1	0804									0805								
Enable Closing Report, Telco 1	0813									0814								
Enable Opening Report, Telco 3	0822									0823								
Enable Closing Report, Telco 3	0831									0832								

	ADDR	USERS 49 → 56								ADDR	USERS 57 → 64							
		U49	U50	U51	U52	U53	U54	U55	U56		U57	U58	U59	U60	U61	U62	U63	U64
Enable Users to Report Opening and Closings		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8
Enable Opening Report, Telco 1	0806									0807								
Enable Closing Report, Telco 1	0815									0816								
Enable Opening Report, Telco 3	0824									0825								
Enable Closing Report, Telco 3	0833									0834								

	ADDR	USERS 65 → 68								
		U65	U66	U67	U68					
Enable Users to Report Opening and Closings		1	2	3	4	5	6	7	8	
Enable Opening Report, Telco 1	0808									User 65 = Auto Arming/Disarming User 66 = Quickloader Remote Arming/Disarming User 67 = Easy Arming (Opening not applicable) User 68 = Keypad Arming NOTE: These opening events will report as the User Number shown. Also, Keyfobs 1-8 (see Easy Menu Driven Program Mode) will report as Users 57-64, respectively. Freedom Touchpads 1-4 will report opening as Users 51-54 and will report closing as Easy Arming User 67, respectively.
Enable Closing Report, Telco 1	0817									
Enable Opening Report, Telco 3	0826									
Enable Closing Report, Telco 3	0835									

CS USER REPORTING OPTIONS: [Default = blank (•) from address 0800-0835]

1. Select the desired option entering the option number (1-8) for each digit.
2. At the F-64PROG programmer, enter corresponding option number in address location. **NOTE:** Dark shaded data value box shows option not available.
3. Press to save.

DIRECT ADDRESS PROGRAM MODE

EZM GROUP OPTIONS (ADDRESS 1455-1468)

EZM Group 1 ADDRESS 1455	EZM Group 2 ADDRESS 1456	EZM Group 3 ADDRESS 1457	EZM Group 4 ADDRESS 1458	EZM Group 5 ADDRESS 1459	EZM Group 6 ADDRESS 1460
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Default depends on Easy Menu Driven Program Mode question "# OF ZNS IN AREA 1 ENTER # ZONES" and "EZ ZONE DOUBLING? Y/N". For example, if 64 Zones are used and Zone Doubling is **not** enabled, then all 14 Groups will be automatically enabled. If 64 Zones are used and Zone Doubling is enabled, then only Groups 1-12 will be automatically enabled.


NOTE: If "Zone Doubling" (Address 1423, option 1) is **not** enabled, then Zones 1-8 are included in the control panel and Zones 9-64 (Groups 1-14) are EZM Zones. If "Zone Doubling" is enabled, then Zones 1-16 are included in the control panel and Zones 17-64 (Groups 1-12) are EZM Zones (and Groups 13 and 14 must not be used).

EZM TYPE		EZM GROUP		ZONES COVERED	
DATA ENTRIES	OPTION	GROUP	NORMAL	DOUBLED	
blank (*)	Not used (No EZM present)	1	9-12	17-20	
1	4-Zone EZM	2	13-16	21-24	
		3	17-20	25-28	
		4	21-24	29-32	
		5	25-28	33-36	
		6	29-32	37-40	
		7	33-36	41-44	
		8	37-40	45-48	
		9	41-44	49-52	
		10	45-48	53-56	
		11	49-52	57-60	
		12	53-56	61-64	
		13	57-60		
		14	61-64		

EZM GROUP OPTIONS: Up to 14 Groups of 4 Zones each may be programmed depending on the number of Zones used and which EZM modules are connected. Each Group represents 4 Zones.

1. Select EZM type from the table shown.
2. Enter either blank (*) or "1" in corresponding address locations above.

NOTE: Dark shaded data value box shows option not available.

3. Press  to save.

AREA ARMING OPTIONS (ADDRESS 1469-1472)

Priority Arming Area 1	ADDRESS 1469
<input type="checkbox"/>	<input type="checkbox"/>

[Default = blank (*)]

Priority Arming Area 2	ADDRESS 1470
<input type="checkbox"/>	<input type="checkbox"/>

[Default = blank (*)]

Priority Arming Area 3	ADDRESS 1471
<input type="checkbox"/>	<input type="checkbox"/>

[Default = blank (*)]

Priority Arming Area 4	ADDRESS 1472
<input type="checkbox"/>	<input type="checkbox"/>

[Default = blank (*)]


PRIORITY ARMING/AREA 1	
DATA ENTRIES	OPTION
blank (*)	Not Used
1	Enabled

PRIORITY ARMING/AREA 2	
DATA ENTRIES	OPTION
blank (*)	Not Used
1	Enabled

PRIORITY ARMING/AREA 3	
DATA ENTRIES	OPTION
blank (*)	Not Used
1	Enabled

PRIORITY ARMING/AREA 4	
DATA ENTRIES	OPTION
blank (*)	Not Used
1	Enabled

PRIORITY AREA ARMING:

1. Select option from the table shown.
2. Enter either blank (*) or "1" in corresponding address location.
NOTE: Dark shaded data value box shows option not available.
3. Press  to save.

AREA BELL CONTROL OPTIONS (ADDRESS 1473-1488)

DIRECT ADDRESS PROGRAM MODE

1473 Burglary Output Turns Off upon Disarm		
Default		Option: Disarming Area 1:
ON	1	Area 1 Burg Output Silenced
OFF	2	Area 2 Burg Output Silenced
OFF	3	Area 3 Burg Output Silenced
OFF	4	Area 4 Burg Output Silenced

1474 Burglary Output Turns Off upon Disarm		
Default		Option: Disarming Area 2:
ON	1	Area 1 Burg Output Silenced
OFF	2	Area 2 Burg Output Silenced
OFF	3	Area 3 Burg Output Silenced
OFF	4	Area 4 Burg Output Silenced

1475 Burglary Output Turns Off upon Disarm		
Default		Option: Disarming Area 3:
ON	1	Area 1 Burg Output Silenced
OFF	2	Area 2 Burg Output Silenced
OFF	3	Area 3 Burg Output Silenced
OFF	4	Area 4 Burg Output Silenced

1476 Burglary Output Turns Off upon Disarm		
Default		Option: Disarming Area 4:
ON	1	Area 1 Burg Output Silenced
OFF	2	Area 2 Burg Output Silenced
OFF	3	Area 3 Burg Output Silenced
OFF	4	Area 4 Burg Output Silenced

1477 Pulsed Burg Output Turns Off upon Disarm		
Default		Option: Disarming Area 1:
ON	1	Area 1 Pulsed Burg Output Silenced
OFF	2	Area 2 Pulsed Burg Output Silenced
OFF	3	Area 3 Pulsed Burg Output Silenced
OFF	4	Area 4 Pulsed Burg Output Silenced

1478 Pulsed Burg Output Turns Off upon Disarm		
Default		Option: Disarming Area 2:
ON	1	Area 1 Pulsed Burg Output Silenced
OFF	2	Area 2 Pulsed Burg Output Silenced
OFF	3	Area 3 Pulsed Burg Output Silenced
OFF	4	Area 4 Pulsed Burg Output Silenced

1479 Pulsed Burg Output Turns Off upon Disarm		
Default		Option: Disarming Area 3:
ON	1	Area 1 Pulsed Burg Output Silenced
OFF	2	Area 2 Pulsed Burg Output Silenced
OFF	3	Area 3 Pulsed Burg Output Silenced
OFF	4	Area 4 Pulsed Burg Output Silenced

1480 Pulsed Burg Output Turns Off upon Disarm		
Default		Option: Disarming Area 4:
ON	1	Area 1 Pulsed Burg Output Silenced
OFF	2	Area 2 Pulsed Burg Output Silenced
OFF	3	Area 3 Pulsed Burg Output Silenced
OFF	4	Area 4 Pulsed Burg Output Silenced

1481 PGM1 Output Turns Off upon Disarm		
Default		Option: Disarming Area 1:
ON	1	Area 1 PGM1 Output Silenced
OFF	2	Area 2 PGM1 Output Silenced
OFF	3	Area 3 PGM1 Output Silenced
OFF	4	Area 4 PGM1 Output Silenced

1482 PGM1 Output Turns Off upon Disarm		
Default		Option: Disarming Area 2:
ON	1	Area 1 PGM1 Output Silenced
OFF	2	Area 2 PGM1 Output Silenced
OFF	3	Area 3 PGM1 Output Silenced
OFF	4	Area 4 PGM1 Output Silenced

1483 PGM1 Output Turns Off upon Disarm		
Default		Option: Disarming Area 3:
ON	1	Area 1 PGM1 Output Silenced
OFF	2	Area 2 PGM1 Output Silenced
OFF	3	Area 3 PGM1 Output Silenced
OFF	4	Area 4 PGM1 Output Silenced

1484 PGM1 Output Turns Off upon Disarm		
Default		Option: Disarming Area 4:
ON	1	Area 1 PGM1 Output Silenced
OFF	2	Area 2 PGM1 Output Silenced
OFF	3	Area 3 PGM1 Output Silenced
OFF	4	Area 4 PGM1 Output Silenced

1485 PGM2 Output Turns Off upon Disarm		
Default		Option: Disarming Area 1:
ON	1	Area 1 PGM2 Burg Output Silenced
OFF	2	Area 2 PGM2 Burg Output Silenced
OFF	3	Area 3 PGM2 Burg Output Silenced
OFF	4	Area 4 PGM2 Burg Output Silenced



1486 PGM2 Output Turns Off upon Disarm		
Default		Option: Disarming Area 2:
ON	1	Area 1 PGM2 Burg Output Silenced
OFF	2	Area 2 PGM2 Burg Output Silenced
OFF	3	Area 3 PGM2 Burg Output Silenced
OFF	4	Area 4 PGM2 Burg Output Silenced

1487 PGM2 Output Turns Off upon Disarm		
Default		Option: Disarming Area 3:
ON	1	Area 1 PGM2 Burg Output Silenced
OFF	2	Area 2 PGM2 Burg Output Silenced
OFF	3	Area 3 PGM2 Burg Output Silenced
OFF	4	Area 4 PGM2 Burg Output Silenced


1488 PGM2 Output Turns Off upon Disarm		
Default		Option: Disarming Area 4:
ON	1	Area 1 PGM2 Burg Output Silenced
OFF	2	Area 2 PGM2 Burg Output Silenced
OFF	3	Area 3 PGM2 Burg Output Silenced
OFF	4	Area 4 PGM2 Burg Output Silenced

OUTPUT TURNS OFF UPON DISARM:

Select options for any of the 4 Outputs. By default, the ability to turn off an output upon disarm is not allowed. For example, the ability to silence an Area 1 through Area 4 output via an Area 1 keypad is not enabled by default. To enable selected area output control, enter the number (1,2,3,4) accordingly. For example, if you wish to grant an Area 1 keypad the ability to turn off an Area 2 PGM2 output, enter "2" in Address 1485.

 Enter digit in address location. **NOTE:** Dark shaded data value box shows option not available. Press  to save.

KEYPAD/TOUCHPAD OPTIONS (ADDRESS 1425-1431, 1440-1446)




Enable Keypad/Touchpad Type & Activation	ADDR	ENABLE TYPE	AREA ASSIGNMENT	ENABLE TYPE: Up to 7 keypads/Touchpads may be programmed, if they are connected. NOTE: See Touchpad Configuration Mode (see page 40). 1. Select keypad/Touchpad type for each keypad from the tables shown. 2. Enter data in corresponding address locations. 3. Press  to save.
		Blank (*) = Burg Keypad 2 = Wizard * <i>*Not for UL Installations</i>	Blank (*) = Disabled 1 = Area 1, 2 = Area 2, 3 = Area 3, 4 = Area 4	
Keypad/Touchpad 1	1425		1	
Keypad/Touchpad 2	1426			
Keypad/Touchpad 3	1427			
Keypad/Touchpad 4	1428			
Keypad/Touchpad 5	1429			
Keypad/Touchpad 6	1430			
Keypad/Touchpad 7	1431			

[Default = 1 for address 1425; blank (*) from address 1426-1431]

Enable Keypad Options	ADDR	Enable Keypad Options							
		Keypad Fire	Keypad Aux.*	Keypad Panic	RSRVD	Ambush	Easy Arming	Panel Access	RSRVD
		1	2	3	4	5	6	7	8
Keypad 1 Options	1440	ON		ON			ON		
Keypad 2 Options	1441	ON		ON			ON		
Keypad 3 Options	1442	ON		ON			ON		
Keypad 4 Options	1443	ON		ON			ON		
Keypad 5 Options	1444								
Keypad 6 Options	1445								
Keypad 7 Options	1446								

[Default = blank (*) from address 1440-1446, except where specified in table above] * **NOTE:** Keypad Aux. is not to be selected for UL Installations.

ENABLE KEYPAD OPTIONS: Select options for any of the 7 keypads.

-  1. Select the desired option entering the option number (1-8) for each digit.
-  2. At the F-64PROG programmer, enter corresponding option number in address location. **NOTE:** Dark shaded data value box shows option not available. Press  to save.

MAPPING F-64TP DOORS AND PIR'S (ADDRESS 2090-2101)

Keypad address programming locations for mapping F-64TP Doors and PIR's to the F-64 control panel are displayed in the table at right:




In addition, in order for the F-64TP to function correctly on the F-64 panel, the following programming / installation rules are required:

1. A F-64TP must be wired and addressed as Keypad #1 for any F-64 Touchpads to work on the system.
2. Must program (map) at least 1 Door Zone and a PIR for each F-64 Touchpad.
3. All PIR's in the system, including the mapped Integral F-64 Touchpad PIR, must be programmed as interior to allow conversion from arming Stay to Away.
4. All zones programmed for interior must also be programmed for Auto Bypass.

Enable Keypad Options		
MAPPING F-64TP Doors and PIR's	ADDR	Zone # (1-64)
Zone # of F64TP # 1 Door/Bolt TX #1	2090	9
Zone # of F64TP # 1 Door/Bolt TX #2	2091	10
Zone # of F64TP # 1 PIR	2092	11
Zone # of F64TP # 2 Door/Bolt TX #1	2093	
Zone # of F64TP # 2 Door/Bolt TX #2	2094	
Zone # of F64TP # 2 PIR \	2095	
Zone # of F64TP # 3 Door/Bolt TX #1	2096	
Zone # of F64TP # 3 Door/Bolt TX #2	2097	
Zone # of F64TP # 3 PIR	2098	
Zone # of F64TP # 4 Door/Bolt TX #1	2099	
Zone # of F64TP # 4 Door/Bolt TX #2	2100	
Zone # of F64TP # 4 PIR	2101	

[Default = blank (*) from address 2090-2101]

5. Exit Delay time must first be programmed to allow conversion from arming Stay to Away.

-  1. Select the desired zone by entering the zone number (001-064) for each address.
-  2. At the F-64PROG Programmer, enter corresponding zone number in address location. Press  to save.

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ZONE OPTIONS - ZONES 1 TO 16 (ADDRESS 0900-1016)

DIRECT ADDRESS PROGRAM MODE

ZONE OPTIONS	ADDR	ZONES 1 → 8								ADDR	ZONES 9 → 16							
		Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8		Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8
50ms Loop Response ^(A)	0900									0964								
† Priority	0901									0965								
Priority with Bypass	0902									0966								
Auto-Bypass	0903									0967								
† Selective Bypass	0904									0968								
Keyswitch Arming	0905									0969								
Auto-Bypass Re-entry	0906									0970								
Pre-Alarm Warning	0907									0971								
Never Arm	0908									0972								
24-Hour Zone	0909									0973								
† Alarm Output	0910									0974								
† Pulsed Alarm Output	0911									0975								
PGM1 Output	0912									0976								
PGM2 Output	0913									0977								
† Entry/Exit 1	0914									0978								
† Entry/Exit 2	0915									0979								
† Exit/Entry Follower	0916									0980								
†★ Auto Reset	0917									0981								
†★ Swinger Shutdown	0918									0982								
† Chime	0919									0983								
Abort Delay	0920									0984								
Power-up Delay	0921									0985								
Day Zone Open	0922									0986								
Day Zone Short	0923									0987								
Alarm on Day Zone	0924									0988								
† Alarm Telco 1	0925									0989								
Alarm Restore 1	0926									0990								
Trouble Telco 1	0927									0991								
Trouble Restore 1	0928									0992								
Alarm Telco 3	0929									0993								
Alarm Restore 3	0930									0994								
Trouble Telco 3	0931									0995								
Trouble Restore 3	0932									0996								
No EOL Resistor	0933									0997								
Trouble on Open	0934									0998								
Trouble on Short	0935									0999								
† Zone Area 1	0936									1000								
Zone Area 2	0937									1001								
Zone Area 3	0938									1002								
Zone Area 4	0939									1003								
Interior (Stay) Bypass	0940									1004								
Keypad Sounder on Alarm	0941									1005								
† 2-Wire Smoke Detectors ^(B)	0942									1006								
† Fire ^(C)	0943									1007								
Fire Alarm Verification ^(C)	0944									1008								
RESERVED	0945									1009								
Zone ANDing Group 1	0946									1010								
Zone ANDing Group 2	0947									1011								
Zone ANDing Group 3	0948									1012								
Zone ANDing Group 4	0949									1013								
Sensor Watch	0950									1014								
RESERVED	0951									1015								
Chime 2	0952									1016								
RESERVED	0953									1017								
Perimeter Group Bypass	0954									1018								

† When the Easy Menu Driven Program Mode is used, these features are enabled by default.

† Enabled when "Enable SIA CP-01 Features?" is activated (Answer "Yes" in the EZ Programming Menu).

★ Disabled when "Enable SIA CP-01 Features?" is activated (Answer "Yes" in the EZ Programming Menu). Disable Auto-Reset on non-fire zones for SIA CP-01 installations.

ZONE OPTIONS: Select zone options for any zone.

1. Select the desired zone option by entering the option number (1-8) for each selected zone.
2. Enter corresponding option number in address location.

NOTE: Dark shaded data value box shows option not available. Press [Enter] to save.

Notes A, B and C are located on the bottom of the next page.



ZONE OPTIONS - ZONES 17 TO 32 (ADDRESS 1029-1144)

ZONE FEATURES	ADDR	ZONES 17 → 24								ADDR	ZONES 25 → 32							
		Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24		Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8
✦ Priority	1029									1093								
✦ Priority with Bypass	1030									1094								
✦ Auto-Bypass	1031									1095								
✦ Selective Bypass	1032									1096								
✦ Keyswitch Arming	1033									1097								
✦ Auto-Bypass Re-entry	1034									1098								
✦ Pre-Alarm Warning	1035									1099								
✦ Never Arm	1036									1100								
✦ 24-Hour Zone	1037									1101								
✦ Alarm Output	1038									1102								
✦ Pulsed Alarm Output	1039									1103								
✦ PGM1 Output	1040									1104								
✦ PGM2 Output	1041									1105								
✦ Entry/Exit 1	1042									1106								
✦ Entry/Exit 2	1043									1107								
✦ Exit/Entry Follower	1044									1108								
✦ Auto Reset	1045									1109								
✦ Swinger Shutdown	1046									1110								
✦ Chime	1047									1111								
✦ Abort Delay	1048									1112								
✦ Power-up Delay	1049									1113								
✦ Day Zone Open	1050									1114								
✦ Day Zone Short	1051									1115								
✦ Alarm on Day Zone	1052									1116								
✦ Alarm Telco 1	1053									1117								
✦ Alarm Restore 1	1054									1118								
✦ Trouble Telco 1	1055									1119								
✦ Trouble Restore 1	1056									1120								
✦ Alarm Telco 3	1057									1121								
✦ Alarm Restore 3	1058									1122								
✦ Trouble Telco 3	1059									1123								
✦ Trouble Restore 3	1060									1124								
✦ No EOL Resistor	1061									1125								
✦ Trouble on Open	1062									1126								
✦ Trouble on Short	1063									1127								
✦ Zone Area 1	1064									1128								
✦ Zone Area 2	1065									1129								
✦ Zone Area 3	1066									1130								
✦ Zone Area 4	1067									1131								
✦ Interior (Stay) Bypass	1068									1132								
✦ Keypad Sounder on Alarm	1069									1133								
✦ Fire ^(C)	1071									1135								
✦ Fire Alarm Verification ^(C)	1072									1136								
✦ Zone ANDing Group 1	1074									1138								
✦ Zone ANDing Group 2	1075									1139								
✦ Zone ANDing Group 3	1076									1140								
✦ Zone ANDing Group 4	1077									1141								
✦ Sensor Watch	1078									1142								
RESERVED	1079									1143								
✦ Chime 2	1080									1144								
RESERVED	1081									1145								
✦ Perimeter Group Bypass	1082									1146								

DIRECT ADDRESS PROGRAM MODE

- ✦ When the Easy Menu Driven Program Mode is used, these features are enabled by default.
- ✦ Enabled when "Enable SIA CP-01 Features?" is activated (Answer "Yes" in the EZ Programming Menu).
- ★ Disabled when "Enable SIA CP-01 Features?" is activated (Answer "Yes" in the EZ Programming Menu). Disable Auto-Reset on non-fire zones for SIA CP-01 installations.

NOTES: (A) 50ms Loop Response only available for zones 1-8. If Zone Doubling is enabled, Zones 9-16 will follow the loop response programming for Zones 1-8. For all other Zones, loop response is determined by jumpers on the GEM-EZM8 and/or the configuration on the F-64PROG.
 (B) 2-wire Smoke Detectors only available for zones 7 & 8, and **Fire** must also be selected.
 (C) If Fire Alarm Verification is selected, then Fire must also be selected.

- DEFAULTS:** The zone options indicated are automatically set after exiting the Easy Menu Driven Program Mode.
- *Priority, Selective Bypass, Alarm Output, Auto Reset, Swinger Shutdown and Zone Area 1* are enabled for the total number of zones entered in "*** OF ZONES IN AREA ENTER ## ZONES".
 - *Alarm Telco 1* is enabled for the zone number(s) entered in "REPORT ALL ZONES TO CENTRAL ZONES? Y/N".
 - *Entry/Exit 1* and *Chime* are enabled for the zone number(s) entered in "ENTRY/EXIT ZONES ENTER ZONE ##".
 - *Exit/Entry Follower* and *Interior Bypass* are enabled for the zone number(s) entered in "INTERIOR ZONES ENTER ZONE ##".
 - *Pulse Alarm Output* is enabled for the zone number(s) entered in "FIRE ZONES ENTER ZONE ##" or "2-WIRE FIRE ZNS ENTER ZONE ##".
 - *Fire* is enabled for the zone number(s) entered in "FIRE ZONES ENTER ZONE ##".
 - *2-Wire Smoke Detector* is enabled for the zone number(s) entered in "2-WIRE FIRE ZNS ENTER ZONE ##".



ZONE OPTIONS - ZONES 33 TO 48 (ADDRESS 1157-1272)

ZONE OPTIONS	ADDR	ZONES 33 → 40								ADDR	ZONES 41 → 48							
		Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40		Z41	Z42	Z43	Z44	Z45	Z46	Z47	Z48
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8
50ms Loop Response ^(A)																		
† Priority	1157									1221								
† Priority with Bypass	1158									1222								
† Auto-Bypass	1159									1223								
† Selective Bypass	1160									1224								
† Keyswitch Arming	1161									1225								
† Auto-Bypass Re-entry	1162									1226								
† Pre-Alarm Warning	1163									1227								
† Never Arm	1164									1228								
† 24-Hour Zone	1165									1229								
† Alarm Output	1166									1230								
† Pulsed Alarm Output	1167									1231								
† PGM1 Output	1168									1232								
† PGM2 Output	1169									1233								
† Entry/Exit 1	1170									1234								
† Entry/Exit 2	1171									1235								
† Exit/Entry Follower	1172									1236								
†★ Auto Reset	1173									1237								
†★ Swinger Shutdown	1174									1238								
† Chime	1175									1239								
† Abort Delay	1176									1240								
† Power-up Delay	1177									1241								
† Day Zone Open	1178									1242								
† Day Zone Short	1179									1243								
† Alarm on Day Zone	1180									1244								
† Alarm Telco 1	1181									1245								
† Alarm Restore 1	1182									1246								
† Trouble Telco 1	1183									1247								
† Trouble Restore 1	1184									1248								
† Alarm Telco 3	1185									1249								
† Alarm Restore 3	1186									1250								
† Trouble Telco 3	1187									1251								
† Trouble Restore 3	1188									1252								
† No EOL Resistor	1189									1253								
† Trouble on Open	1190									1254								
† Trouble on Short	1191									1255								
† Zone Area 1	1192									1256								
† Zone Area 2	1193									1257								
† Zone Area 3	1194									1258								
† Zone Area 4	1195									1259								
† Interior (Stay) Bypass	1196									1260								
† Keypad Sounder on Alarm	1197									1261								
† 2-Wire Smoke Detectors ^(B)	1198									1262								
† Fire ^(C)	1199									1263								
† Fire Alarm Verification ^(C)	1200									1264								
RESERVED	1201									1265								
Zone ANDing Group 1	1202									1266								
Zone ANDing Group 2	1203									1267								
Zone ANDing Group 3	1204									1268								
Zone ANDing Group 4	1205									1269								
Sensor Watch	1206									1270								
RESERVED	1207									1271								
Chime 2	1208									1272								
RESERVED	1209									1273								
Perimeter Group Bypass	1210									1274								

† When the Easy Menu Driven Program Mode is used, these features are enabled by default.

†★ Enabled when "Enable SIA CP-01 Features?" is activated (Answer "Yes" in the EZ Programming Menu).

★ Disabled when "Enable SIA CP-01 Features?" is activated (Answer "Yes" in the EZ Programming Menu). Disable Auto-Reset on non-fire zones for SIA CP-01 installations.

ZONE OPTIONS: Select zone options for any zone.

1. Select the desired zone option by entering the option number (1-8) for each selected zone.

2. Enter corresponding option number in address location.

NOTE: Dark shaded data value box shows option not available. Press [Enter] to save.

ZONE OPTIONS - ZONES 49 TO 64 (ADDRESS 1285-1400)

ZONE FEATURES	ADDR	ZONES 49 → 56								ADDR	ZONES 57 → 64							
		Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56		Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8
† Priority	1285									1349								
Priority with Bypass	1286									1350								
Auto-Bypass	1287									1351								
† Selective Bypass	1288									1352								
Keyswitch Arming	1289									1353								
Auto-Bypass Re-entry	1290									1354								
Pre-Alarm Warning	1291									1355								
Never Arm	1292									1356								
24-Hour Zone	1293									1357								
† Alarm Output	1294									1358								
† Pulsed Alarm Output	1295									1359								
PGM1 Output	1296									1360								
PGM2 Output	1297									1361								
† Entry/Exit 1	1298									1362								
Entry/Exit 2	1299									1363								
† Exit/Entry Follower	1300									1364								
† ★ Auto Reset	1301									1365								
† ★ Swinger Shutdown	1302									1366								
† Chime	1303									1367								
Abort Delay	1304									1368								
Power-up Delay	1305									1369								
Day Zone Open	1306									1370								
Day Zone Short	1307									1371								
Alarm on Day Zone	1308									1372								
† Alarm Telco 1	1309									1373								
Alarm Restore 1	1310									1374								
Trouble Telco 1	1311									1375								
Trouble Restore 1	1312									1376								
Alarm Telco 3	1313									1377								
Alarm Restore 3	1314									1378								
Trouble Telco 3	1315									1379								
Trouble Restore 3	1316									1380								
No EOL Resistor	1317									1381								
Trouble on Open	1318									1382								
Trouble on Short	1319									1383								
† Zone Area 1	1320									1384								
Zone Area 2	1321									1385								
Zone Area 3	1322									1386								
Zone Area 4	1323									1387								
Interior (Stay) Bypass	1324									1388								
Keypad Sounder on Alarm	1325									1389								
† Fire ^(C)	1327									1391								
Fire Alarm Verification ^(C)	1328									1392								
Zone ANDing Group 1	1330									1394								
Zone ANDing Group 2	1331									1395								
Zone ANDing Group 3	1332									1396								
Zone ANDing Group 4	1333									1397								
Sensor Watch	1334									1398								
RESERVED	1335									1399								
Chime 2	1336									1400								
RESERVED	1337									1401								
Perimeter Group Bypass	1338									1402								

† When the Easy Menu Driven Program Mode is used, these features are enabled by default.

★ Enabled when "Enable SIA CP-01 Features?" is activated (Answer "Yes" in the EZ Programming Menu).

★ Disabled when "Enable SIA CP-01 Features?" is activated (Answer "Yes" in the EZ Programming Menu). Disable Auto-Reset on non-fire zones for SIA CP-01 installations.

NOTES: (A) 50ms Loop Response only available for zones 1-8. If Zone Doubling is enabled, Zones 9-16 will follow the loop response programming for Zones 1-8. For all other Zones, loop response is determined by jumpers on the GEM-EZM8 and/or the configuration on the F-64PROG.

(B) 2-wire Smoke Detectors only available for zones 7 & 8, and **Fire** must also be selected.

(C) If Fire Alarm Verification is selected, then Fire must also be selected.

DEFAULTS: The zone options indicated are automatically set after exiting the Easy Menu Driven Program Mode.

Priority, Selective Bypass, Alarm Output, Auto Reset, Swinger Shutdown and Zone Area 1 are enabled for the total number of zones entered in "## OF ZONES IN AREA1 ENTER ## ZONES".

Alarm Telco 1 is enabled for the zone number(s) entered in "REPORT ALL ZONES TO CENTRAL ZONES? Y/N".

Entry/Exit 1 and Chime are enabled for the zone number(s) entered in "ENTRY/EXIT ZONES ENTER ZONE ##".

Exit/Entry Follower and Interior Bypass are enabled for the zone number(s) entered in "INTERIOR ZONES ENTER ZONE ##".

Pulse Alarm Output is enabled for the zone number(s) entered in "FIRE ZONES ENTER ZONE ##" or "2-WIRE FIRE ZNS ENTER ZONE ##".

Fire is enabled for the zone number(s) entered in "FIRE ZONES ENTER ZONE ##".

2-Wire Smoke Detector is enabled for the zone number(s) entered in "2-WIRE FIRE ZNS ENTER ZONE ##".

DIRECT ADDRESS PROGRAM MODE



EXTERNAL RELAY CONTROL (ADDRESS 1489-1648)

DIRECT ADDRESS PROGRAM MODE

ADDRESS 1489-1493 (RELAY EVENT 1)				
1489	1490	1491	1492	1493
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1494-1498 (RELAY EVENT 2)				
1494	1495	1496	1497	1498
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1499-1503 (RELAY EVENT 3)				
1499	1500	1501	1502	1503
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1504-1508 (RELAY EVENT 4)				
1504	1505	1506	1507	1508
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1509-1513 (RELAY EVENT 5)				
1509	1510	1511	1512	1513
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1514-1518 (RELAY EVENT 6)				
1514	1515	1516	1517	1518
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1519-1523 (RELAY EVENT 7)				
1519	1520	1521	1522	1523
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1524-1528 (RELAY EVENT 8)				
1524	1525	1526	1527	1528
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1529-1533 (RELAY EVENT 9)				
1529	1530	1531	1532	1533
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1534-1538 (RELAY EVENT 10)				
1534	1535	1536	1537	1538
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1539-1543 (RELAY EVENT 11)				
1539	1540	1541	1542	1543
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1544-1548 (RELAY EVENT 12)				
1544	1545	1546	1547	1548
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1549-1553 (RELAY EVENT 13)				
1549	1550	1551	1552	1553
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1554-1558 (RELAY EVENT 14)				
1554	1555	1556	1557	1558
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1559-1563 (RELAY EVENT 15)				
1559	1560	1561	1562	1563
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1564-1568 (RELAY EVENT 16)				
1564	1565	1566	1567	1568
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1569-1573 (RELAY EVENT 17)				
1569	1570	1571	1572	1573
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1574-1578 (RELAY EVENT 18)				
1574	1575	1576	1577	1578
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1579-1583 (RELAY EVENT 19)				
1579	1580	1581	1582	1583
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1584-1588 (RELAY EVENT 20)				
1584	1585	1586	1587	1588
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1589-1593 (RELAY EVENT 21)				
1589	1590	1591	1592	1593
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1594-1598 (RELAY EVENT 22)				
1594	1595	1596	1597	1598
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1599-1603 (RELAY EVENT 23)				
1599	1600	1601	1602	1603
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1604-1608 (RELAY EVENT 24)				
1604	1605	1606	1607	1608
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1609-1613 (RELAY EVENT 25)				
1609	1610	1611	1612	1613
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1614-1618 (RELAY EVENT 26)				
1614	1615	1616	1617	1618
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1619-1623 (RELAY EVENT 27)				
1619	1620	1621	1622	1623
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1624-1628 (RELAY EVENT 28)				
1624	1625	1626	1627	1628
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1629-1633 (RELAY EVENT 29)				
1629	1630	1631	1632	1633
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1634-1638 (RELAY EVENT 30)				
1634	1635	1636	1637	1638
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1639-1643 (RELAY EVENT 31)				
1639	1640	1641	1642	1643
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

ADDRESS 1644-1648 (RELAY EVENT 32)				
1644	1645	1646	1647	1648
RELAY #	AREA	TIMEOUT	EVENT ID	COND.

**TO PROGRAM,
SEE NEXT PAGE**




[Default = blank (•) from address 1489-1648].

To program, follow the 5 steps below.

RELAY EVENT OPTIONS				
RELAY #	AREA	TIMEOUT	EVENT ID	COND.
See Step 1 below	See Step 2 below	See Step 3 below	See Step 4 below	See Step 5 below


STEP 1

RELAY # OPTIONS: The F-64 supports 16 external relays from Relay Module RM3008. Multiple events may be "mapped" to each relay, up to a maximum of 32 events.

 Select the **relay number** from **Table 1** (next page); enter in corresponding address location.


STEP 2

AREA OPTIONS: Each relay event can be assigned to Area 1, 2, 3 and / or 4.

 Select the **area** from **Table 2** (on next page); enter in corresponding address location.


STEP 3

TIMEOUTS: Each relay event can be assigned a timeout depending on Alarm Type option.

 If Alarm Type is selected for timeout in minutes or seconds, enter the 3-digit **timeout duration** in corresponding address location. To choose seconds or minutes, see step 5A below. 254 is maximum entry.

STEP 4


EVENT ID CODES: Each relay event can be assigned any of the available event IDs from **Table 4**.

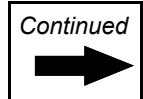
 Select 2-digit **Event ID** from **Table 4** (on next page); enter in corresponding address locations (left and right digit).

STEP 5

RELAY EVENT CONDITION OPTIONS: Each relay event can be assigned an alarm type; and an activation condition; also, select a timeout type for each. Enter 5A in left area, enter 5B in right area.

 5A. Select **Alarm Type** and **Timeout Type** from **Table 5A** (on next page); enter in corresponding left address location.

 5B. Select **Activation Conditions** from **Table 5B** (on next page); enter in corresponding right address location.



RELAY EVENT OPTIONS				
RELAY #	AREA	TIMEOUT	EVENT ID	COND.
See Table 1 below	See Table 2 below (right nibble)	Enter a Time period, in seconds or minutes	See Table 4 below	See Tables 5A & 5B below

DATA ENTRY		RELAY #
Left Nibble	Right Nibble	
blank (*)	blank (*)	NONE
blank (*)	1	1
blank (*)	2	2
blank (*)	3	3
blank (*)	4	4
blank (*)	5	5
blank (*)	6	6
blank (*)	7	7
blank (*)	8	8
blank (*)	9	9
blank (*)	0	10
blank (*)	B	11
blank (*)	C	12
blank (*)	D	13
blank (*)	E	14
blank (*)	F	15
1	blank (*)	16

DATA ENTRY	TURN OFF ON AREA DISARM
blank (*)	NONE
1	Area 1
2	Area 2
3	Area 1 & Area 2
4	Area 3
5	Area 1 & Area 3
6	Area 2 & Area 3
7	Areas 1, 2 & 3
8	Area 4
9	Area 1 & Area 4
0	Area 2 & Area 4
B	Areas 1, 2 & 4
C	Areas 3 & 4
D	Areas 1, 3 & 4
E	Areas 2, 3 & 4
F	Areas 1-4

RELAY EVENT ALARM TYPE OPTIONS		
LEFT DATA ENTRIES	ALARM TYPE	TIMEOUT TYPE
blank (*)	Burglary	Minutes
1	Fire	Minutes
4	Day Zone	Minutes
8	Burglary	Seconds
9	Fire	Seconds
C	Day Zone	Seconds

RELAY EVENT ACTIVATION CONDITIONS	
RIGHT DATA ENTRIES	OPTIONS
1	Alarm
2	Restore
3	Trouble
4	Trouble Restore
5	Follow Zone

EVENT ID CODES		
DATA ENTRIES		OPTION
LEFT	RIGHT	
blank (*)	blank (*)	Area 1 Arm
blank (*)	1	Area 2 Arm
blank (*)	2	Area 3 Arm
blank (*)	3	Area 4 Arm
blank (*)	8	Zone 1
blank (*)	9	Zone 2
blank (*)	0	Zone 3
blank (*)	B	Zone 4
blank (*)	C	Zone 5
blank (*)	D	Zone 6
blank (*)	E	Zone 7
blank (*)	F	Zone 8
1	blank (*)	Zone 9
1	1	Zone 10
1	2	Zone 11
1	3	Zone 12
1	4	Zone 13
1	5	Zone 14
1	6	Zone 15
1	7	Zone 16
1	8	Zone 17
1	9	Zone 18
1	0	Zone 19
1	B	Zone 20
1	C	Zone 21
1	D	Zone 22
1	E	Zone 23
1	F	Zone 24
2	blank (*)	Zone 25
2	1	Zone 26
2	2	Zone 27
2	3	Zone 28
2	4	Zone 29
2	5	Zone 30
2	6	Zone 31
2	7	Zone 32
2	8	Zone 33
2	9	Zone 34
2	0	Zone 35
2	B	Zone 36
2	C	Zone 37

EVENT ID CODES		
DATA ENTRIES		OPTION
LEFT	RIGHT	
2	D	Zone 38
2	E	Zone 39
2	F	Zone 40
3	blank (*)	Zone 41
3	1	Zone 42
3	2	Zone 43
3	3	Zone 44
3	4	Zone 45
3	5	Zone 46
3	6	Zone 47
3	7	Zone 48
3	8	Zone 49
3	9	Zone 50
3	0	Zone 51
3	B	Zone 52
3	C	Zone 53
3	D	Zone 54
3	E	Zone 55
3	F	Zone 56
4	blank (*)	Zone 57
4	1	Zone 58
4	2	Zone 59
4	3	Zone 60
4	4	Zone 61
4	5	Zone 62
4	6	Zone 63
4	7	Zone 64
6	8	Area 1 KP Ambush
6	9	Area 1 KP Panic
6	0	Area 1 KP Fire
6	B	Area 1 KP Aux
6	C	Area 1 KP Tamper
6	D	Area 1 Fail to Open
6	E	Area 1 Fail to Close
7	blank (*)	Area 2 KP Ambush
7	1	Area 2 KP Panic
7	2	Area 2 KP Fire
7	3	Area 2 KP Aux
7	4	Area 2 KP Tamper
7	5	Area 2 Fail to Open
7	6	Area 2 Fail to Close

EVENT ID CODES		
DATA ENTRIES		OPTION
LEFT	RIGHT	
7	8	Area 3 KP Ambush
7	9	Area 3 KP Panic
7	0	Area 3 KP Fire
7	B	Area 3 KP Aux
7	C	Area 3 KP Tamper
7	D	Area 3 Fail to Open
7	E	Area 3 Fail to Close
7	F	Area 4 KP Ambush
8	1	Area 4 KP Panic
8	2	Area 4 KP Fire
8	3	Area 4 KP Aux
8	4	Area 4 KP Tamper
8	5	Area 4 Fail to Open
8	6	Area 4 Fail to Close
0	8	Test Timer
0	B	Memory Fail
0	C	Low Battery
0	D	AC Fail
0	E	EZM Tamper
0	F	Alarm Supervisory
B	5	RF Receiver Trouble (Tamper/Fail)
B	6	Wireless TX Tamper
B	7	Wireless TX Trouble (LB/Supervisory)
C	8	Area 1 Arming AWAY
C	9	Area 2 Arming AWAY
C	0	Area 3 Arming AWAY
C	B	Area 4 Arming AWAY
D	blank (*)	Keypad Fail
D	1	EZM Fail
D	2	Quickloader Device Control
D	5	General System Alarm
D	8	Area 1 General System Alarm
D	9	Area 2 General System Alarm
D	0	Area 3 General System Alarm
D	B	Area 4 General System Alarm
F	blank (*)	Relay Control Group 1
F	1	Relay Control Group 2
F	8	Entry Relay Area 1
F	9	Entry Relay Area 2
F	0	Entry Relay Area 3
F	B	Entry Relay Area 4

* NOTE: Keypad Auxiliary is not to be selected for UL Installations.
 NOTE: Keypad Tamper must be enabled in UL installations.

DIRECT ADDRESS PROGRAM MODE




RF RECEIVER & SUPERVISORY TIMER OPTIONS (ADDRESS 2029-2044 & 2056)

Number of RF Receivers	ADDRESS 2056	
	LEFT DIGIT	RIGHT DIGIT
	blank (*)	


DATA ENTRIES	RF RECEIVER(S)
blank (*)	None
1	1
2	2

RF RECEIVERS: Up to 2 RF Receivers may be programmed.

1. Select the number of receivers from the table shown.
2. Enter number in address location shown.
3. Press  to save.

Default for Number of Receivers depends on Easy Menu Driven Program Mode question for RF Transmitters.

RF SUPERVISORY TIMERS: RF Supervisory Timers may be programmed for each type of transmitter used. A transmitter will send a transmission every time it is tripped, when there is NO activity, the transmitter sends a status transmission about once an hour. If the receiver does NOT receive ANY signal (a trip or a status) from a transmitter in the time specified for transmitter type, a system trouble "WIRELESS TROUBLE/EDY-NN SERVICE" will be displayed at the F-64PROG programmer.

1. Select timer delay from the table shown. Timers are programmed in increments of 30 minutes each. Valid entries are [3] through [F] (90 minutes-450 minutes).
2. Enter in corresponding address locations below (right nibble).
3. Press  to save.

RF SUPERVISORY TIMER	RF TRANSMITTER	ADDR	RF SUPERVISORY DELAY TIME (Select timer delay from the table at right)
Type 0	Window/Door, 2 Pt.	2029	
Type 1	Window/Door, 2 Pt.	2030	
Type 2	Window/Door, 2 Pt.	2031	
Type 3	Window/Door, 2 Pt.	2032	
Type 4	RESERVED		
Type 5	PIR	2034	
Type 6	PIR	2035	
Type 7	Smoke Detector	2036	
Type 8	Smoke Detector	2037	
Type 9	RESERVED		
Type A	Dual Tech.	2039	
Type B	RESERVED		
Type C	Window/Door, 4 Pt.	2041	
Type D	PIR	2042	
Type E	Smoke Detector	2043	
Type F	Napco Glass Break	2044	

RF SUPERVISORY TIMERS	
DATA ENTRIES	DELAY
3	90 min.
4	120 min.
5	150 min.
6	180 min.
7	210 min.
8	240 min.
9	270 min.
0	300 min.
B	330 min.
C	360 min.
D	390 min.
E	420 min.
F	450 min.

[Default = blank (*) from address 2029-2044]. Default = 8 (240 minutes)

NOTE: These timers apply only to Supervised RF Transmitters (see "RF Transmitters" in Easy Menu Driven Program Mode).




CLEAR PROGRAM OPTIONS (ADDRESS 2285 & 2286)

2285 XX	H
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Clear Dealer Program (Erases Dealer Program)



This *erases the dealer program*. Use this feature to start a customized default program. Program Data and System Status Memory is erased where Scheduled Data and Zone Descriptions are maintained.

Access address 2285, then press . Data entry is not allowed.


NOTE: Enter Easy Menu Driven Program Mode to program system again.

2286 XX	H
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Cold Start (Erases Entire Program)



This erases the entire program including Dealer Program by erasing Program Data, Zone Description Data and System Status Data (similar to a new panel).

Access address 2286, then press . Data entry is not allowed.

NOTE: Some features (schedules) can only be programmed again with the Downloading Software. If power fails, time and date restarts at 00:00:00 and a date of 01-01-04 (January 1, 2004).

DEALER PROGRAM MODE OVERVIEW

EASY MENU DRIVEN PROGRAM MODE
#of Zns in Area1*
EZ Zone Doubling Enabled?*
Fire Zones*
2-Wire Fire Zns*
Report All ZonesTo Central?*
Exit/Entry Zones*
Interior Zones*
24 Hour Zones*
Chime Zones*
Chime 2 Zones*
Exit/Entry 2 Zones*
50ms Loop Zones*
Aux Output Zones*
Sensor Watch Zns*
KP Sndr Alrm Zns*
Auto Byp REnt Zn
Enable No EOLR Zones*
Enable Telco Line Test?*
Enable Burg Out Chirp?*
Enable CP01 Programming?*
Area 1 Keypads
Prog a Freedom KP?
Enter Freedom KeyPad #
Enter KeyPad PIR Zone #
Enter Door1 Zone #
Enter Door2 Zone #
Chime 1 Zone #
Chime 2 Zone #
Aux2 Zone #
Add Another Freedom Touch-pad?
Central Phone #
Central Station Account #
See WI for Info Rcvr Format
Enter user code
ZN# XMIT#+CS P
KF A XMIT#+CS OP
01 <ZONE DESCRIPTIONS>
Enter Date
Enter Time
Dealer Code
Test Timer

Dealer Program Mode comprises two operational states:

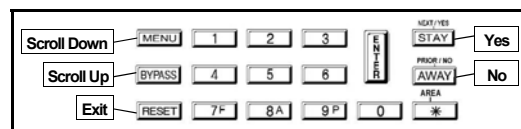
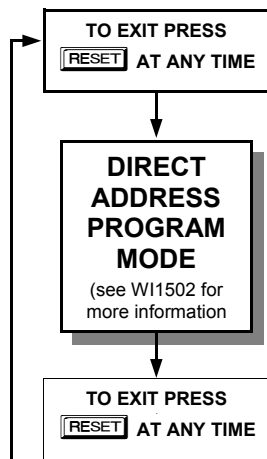
- **EASY MENU DRIVEN PROGRAM MODE** - Used with new "out of the box" panels (or "Cold Started" panels, see address 2286), this mode allows the dealer to customize the factory panel program to best suit the installation. The **Easy Menu-Driven Program Mode** is a menu-driven utility that prompts the installer to configure the system. Press **[RESET]** at any time to exit, thus entering **Direct Address Program Mode**, detailed below.
- **DIRECT ADDRESS PROGRAM MODE** - Additional programming changes, if necessary, can be made in the **Direct Address Program Mode**. In this mode, the programming address is accessed directly and re-configured by the installer. For more information, see "DEALER PROGRAM - PRELIMINARY INFORMATION" on page 5.

TYPICAL USER: Dealers / Installers only.

TYPICAL INTERFACE: An F-64PROG programmer.

HOW TO ENTER: Press the factory-installed default *Dealer Code*:

[4] [5] [6] [7F] [8A] [9P] [MENU]. Press **AWAY ("NO")** until "ACTIVATE PROGRAM Y/N" appears on LCD screen. Press **STAY ("YES")** to enter the **Easy Menu-Driven Program Mode**. See Programming Instructions (WI1502) for additional information regarding the **Easy Menu Driven Program Mode**.
To exit, press **[RESET]** to enter **Direct Address Program Mode** and press **[RESET]** once again to exit **Dealer Program Mode**.



* **Initial Configuration Only** (new or memory cleared panel); suppressed thereafter. Normal entry mode for previously programmed panel starts at "# AREA 1 KEYPADS".

TOUCHPAD CONFIGURATION MODE

This section will focus on configuring the Freedom 64 Touchpad.

TOUCHPAD INSTALLATION

See WI1499 for complete Freedom F-64TP, F-LTRANS and F-TAB installation instructions (see list below for the instructions of other Touchpad types). Each Touchpad must be assigned an address number (1-7). Each Touchpad requires its own configuration procedure because all Touchpad Configuration Mode changes are retained within each individual Touchpad only (see CONFIGURING THE TOUCHPADS, below). At least one (1) Touchpad must be used; only one is required for a single-area Commercial Burglary installation. The F-64TP Touchpad is one of four Touchpad designs within the NAPCO Freedom 64 Home Protection System. The three other Touchpad designs include:

- **F-64TPG:** Garage Door Touchpad (See WI1508)
- **F-64TPBR:** Bedroom Touchpad (See WI1505)
- **F-64TP-H:** Hardwired Touchpad (See WI1518)

CONFIGURING THE TOUCHPADS

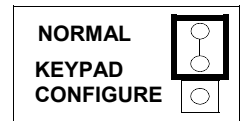
Touchpad Configuration Mode provides an exclusive set of menu options used to change the properties of each individual Touchpad to suit each installation.

- **TYPICAL USER:** Dealers and installers only.
- **TYPICAL INTERFACE:** Touchpad only.

Each **Freedom Touchpad** must be configured for the following items: *Keypad Beep, Entry Sounder, Backlight Follow PIR, Backlight Brightness, Ambush Interval, Ambush Sounder, Keypad Address, EZM Address, Zone Response, Tamper Detect, Disable PIR, Pre Away/Stay, Learn Primary, Learn Secondary* (transmitters), *Clear All Learned Transmitters, Display RF Strength and Display RF Noise*.

To enter the Touchpad Configuration Mode:

1. Move jumper JP1 (located in the center of the F-64 control panel board) from pins 1-2 (top two "NORMAL") to pins 2-3 (bottom two "KEYPAD CONFIGURE"). **NOTE:** See wiring diagram at the end of this manual and the jumper configuration diagram at right.
2. Press the **STAY, BYPASS** and **YES** buttons simultaneously. After a short delay, the display will read "OUT OF SYSTEM XX", where "XX" indicates the keypad address.
3. Press **MENU** for 2 seconds on the installed Touchpad to enter **Touchpad Configuration Mode** and proceed as follows. (Repeat the following procedure for all Touchpads in the system).



F-64 Panel Jumper Configuration diagram

Once the **Touchpad Configuration Mode** is accessed, all messages will display in the order shown below.

KEYPAD BEEP YES

Keypad Tactile Beep

Upon entering the Touchpad Configuration Mode, "KEYPAD BEEP YES" is displayed, indicating that the tactile beep, which sounds when any button is pressed, is on. To turn off the tactile beep, press the **NO** button; to turn on the tactile beep, press **YES**. Default is beep "ON". Press **MENU** to continue or press **RESET** to exit.

ENTRY SOUNDER YES

Entry Sounder

To turn off the Touchpad entry sounder during entry time, press the **NO** button; to turn on the entry sounder, press **YES**. Default is sounder "ON". Press **MENU** to continue or press **RESET** to exit.

BACKLIGHT FOLLOW PIR YES

Backlight Follow PIR

Turns Touchpad backlight on when person is detected in front of the Touchpad (default). To turn off this backlight, press **NO**; to turn on the backlight, press **YES**. Default is "ON". Press **MENU** to continue or press **RESET** to exit.

BACKLIGHT BRIGHTNESS LOW

Backlight Brightness

To adjust the brightness of the LCD window, press **YES** to increase and **NO** to decrease. Selections are **LOW, MED** and **HIGH**. **Note:** Selections repeat if either the **YES** or **NO** buttons are pressed repeatedly. Default is "LOW". Press **MENU** to continue or press **RESET** to exit.

AMBUSH INTERVAL	000
--------------------	-----

Ambush Interval

Set the time interval (in seconds) during entry delay to simulate a need for a user to press **RESET** for two (2) seconds to silence sounder and send an Ambush signal. Press **ENTER** to move cursor to the left (press repeatedly to loop back), then press **YES** or **NO** to increment or decrement each digit. Default is "000" (not set). Also see next selection, *Ambush Sounder*. To enable Ambush, see address 1422 and 2045 in programming instructions (WI1502). Press **MENU** to continue or press **RESET** to exit.

AMBUSH SOUNDER	NO
-------------------	----

Ambush Sounder

Optional Touchpad sounder during entry delay to simulate a need for a user to press **RESET** for 2 seconds to silence sounder and send AMBUSH signal. During this time interval the Touchpad will beep. To turn off the sounder, press the **NO** button; to turn on the sounder, press **YES**. Default is "OFF". To enable AMBUSH, see address 1422 and 2045 in programming instructions (WI1502). Press **MENU** to continue or press **RESET** to exit.

KEYPAD ADDRESS	1
----------------	---

Keypad Address

If more than one Touchpad is installed, each must be assigned a unique Touchpad address—that is, no two Touchpads may be numbered alike. Touchpads must be numbered consecutively (missing numbers are not permitted).

To assign the Touchpad number, proceed as follows:

1. Press **YES** to increase and **NO** to decrease the assigned Touchpad number (valid entries are 1–7). **Note:** Default entry is "1". An entry of zero disables the Touchpad.
2. Press **MENU** to continue or press **RESET** to exit.

EZM ADDRESS	00
-------------	----

EZM Address

The Touchpad's internal EZM (Expansion Zone Module) may be utilized to provide four additional wired zones. Whether used alone or in conjunction with optional GEM-EZM series modules or other Touchpad EZMs, it must be assigned a unique address (or Group number) similar to its Touchpad address. If no other EZMs are to be used, designate the Touchpad as Group "01" at the "EZM ADDRESS 00" display. In multiple-EZM systems, enter an assigned group number "01" through "14". Each EZM must have a unique assigned Group number, starting with "01" and proceeding consecutively. Default is "00". Press **MENU** to continue or press **RESET** to exit.

ZONE RESPONSE	00
---------------	----

Zone Response

The normal (default) loop response of each Touchpad EZM expansion zone is 750mS. Changing this response time may be required when some devices require a faster loop response, such as *Glass Break* sensors, and thus 50ms can be programmed. Do not program in UL installations (UL requires 750ms be programmed). The response time of any zone can be reduced to 50mS as follows.

1. Of the following, circle the number(s) in parentheses associated with the zone(s) to be changed: Zone 1=(1); Zone 2=(2); Zone 3=(4); Zone 4=(8).
2. Add up the circled numbers.
3. At the Touchpad, enter the sum as a two-digit number "01" through "15" by pressing **YES** to increase and **NO** to decrease each digit. **Note:** Default entry is "00". Press **MENU** to continue or press **RESET** to exit.

Example: Change Zones 2, 3 and 4 to 50mS response.

1. Circle numbers for Zones 2, 3 and 4: Circle (2), circle (4) and circle (8).
2. Add up the circled numbers: 2 + 4 + 8 = 14.
3. Enter "14" at the Touchpad. Press **MENU** to continue or press **RESET** to exit.

TAMPER DETECT	NO
---------------	----

Tamper Detect

Enable or disable the monitoring of the Tamper switch located on the Touchpad circuit board. The tamper monitors both the front Touchpad case and the rear Touchpad mounting surface. If the front case is opened or if the Touchpad is removed from the wall, the tamper switch is activated (displays Keypad Tamper system trouble "E11-XX", where XX is the address of the keypad detected by the panel). To disable the Tamper switch, press the **NO** button; to enable, press **YES**. Default is "NO" (disabled). Press **MENU** to continue or press **RESET** to exit.

DISABLE PIR	NO
-------------	----

Disable PIR

If **YES** is pressed, will disable the PIR as an intrusion detection device. Press **NO** to enable PIR. Default is "NO" (enabled). Press **MENU** to continue or press **RESET** to exit.

PRE-AWAY/STAY	060
---------------	-----

Pre-AWAY / STAY

The **Pre-AWAY / STAY** period is the amount of time that the user has to complete the arming sequence. The arming sequence starts with pressing the **STAY** or **AWAY** buttons, and ends by closing the deadbolt. If the sequence is not completed, the system will remain in the previous state, or will be disarmed if a deadbolt is left open. Valid entries are 020 - 240 (seconds). Press **ENTER** to move cursor to the left (press repeatedly to loop back), then press **YES** or **NO** to increment or decrement each digit. Default is "060" (60 seconds). Press **MENU** to continue or press **RESET** to exit.

LEARN PRIMARY	Y/N
---------------	-----

Learn Primary

Send command to the Touchpad's integral receiver module to learn the Primary transmitter ID. If **YES** is pressed, will display: PRESS/RELEASE TAMPER SWITCH. If learned successfully, displays: PRIMARY TXMIT LEARNED - SS###. If learned unsuccessfully, displays: LEARN FAILED TRY AGAIN? Y/N. See WI1499 for full instructions for installing and learning transmitters. Not used with the F-64TP-H Hardwired Touchpad. Press **NO** or **MENU** to continue or press **RESET** to exit.

LEARN SECONDARY	Y/N
-----------------	-----

Learn Secondary

Send command to the Touchpad's integral receiver module to learn the Secondary ID. Be sure to install the shunt on the Secondary transmitter address jumper to ensure the transmitter is identified as the Secondary transmitter and not the Primary transmitter. Install a Secondary transmitter to protect a second door that will be used only for *entry* or to disarm when armed Stay. If **YES** is pressed, will display: PRESS/RELEASE TAMPER SWITCH. If learned successfully, displays: SECONDARY TXMIT LEARNED - SS###. If learned unsuccessfully, displays: LEARN FAILED TRY AGAIN? Y/N. See WI1499 for full instructions for installing and learning transmitters. Not used with the F-64TP-H Hardwired Touchpad. Press **NO** or **MENU** to continue or press **RESET** to exit.

CLEAR ALL LEARNED TXS	Y/N
--------------------------	-----

Clear All Learned TXS

Erase all learned transmitter ID's. If **YES** is pressed, displays: PLEASE WAIT. When complete displays: ALL TRANSMITTERS CLEARED. If unsuccessful, displays: XMITTER CLEAR FAILED TRY AGAIN?. See WI1499 for full instructions for installing and learning transmitters. Not used with the F-64TP-H Hardwired Touchpad. Press **NO** or **MENU** to continue or press **RESET** to exit.

DISPLAY RF SS	Y/N
------------------	-----

Display RF SS

Press **YES** to display the signal strength of the enrolled transmitters. See **Display RF Noise** option below. Press **NO** or **MENU** to continue or press **RESET** to exit.

DISPLAY RF NOISE	Y/N
---------------------	-----

Display RF Noise

Indicates the ambient radio frequency noise on each of the enrolled transmitter frequencies. Typical measurements are below 100. If this level is too close to the signal strength ("**Display RF SS**" above) recorded for the Secondary transmitter, an additional F-64TP may be required to be mounted near the Secondary transmitter. The **RF SS** should be at least 50 points higher than the **RF NOISE** level. Press **YES** to display. Press **NO** or **MENU** to continue or press **RESET** to exit.

 To **exit** Touchpad Configuration Mode, press **RESET**.

TOUCHPAD MENU MODE

ALL MESSAGES IN MENU	NOTES
ENTER BYPASS MENU Y/N	When bypassing a zone, press BYPASS to enter this menu.
DISPLAY ZN DIRECTORY Y/N	Allows individual zones to be bypassed. Press Yes or No to scroll through zone list.
BYPASS OPEN ZONES? Y/N	Disables monitoring of all faulted zones EXCEPT the PRIMARY Touchpad door.
DISPLAY ZN BYPASSED Y/N	Scrolls list of bypassed zones (cannot unbypass from this selection).
ACTIVATE CHIME Y/N	When activated, this selection reads "DEACTIVATE CHIME Y/N".
CHANGE KEYPAD BEEP VOLUME Y/N	Selections are LOW (default), MED, MED-HIGH, HIGH, and OFF (tactile or entry warning only).
CHANGE VOICE VOLUME Y/N	Selections are LOW, MED, MED-HIGH (default), HIGH, OFF (voice prompt volume).
ACTIVATE SIREN TEST Y/N	Press YES to activate burg relay output for 2 seconds.
DISPLAY FIRE ALARM Y/N	Displays list of shorted fire zones only when a fire alarm is tripped.
DISPLAY FIRE TROUBLE Y/N	Displays list of opened fire zones only when a fire trouble (open on a fire zone) is detected.
ACTIVATE FAULT FIND Y/N	Activates <i>Fault Find</i> mode. The Master I-FOB MUST be inserted into the Touchpad for this menu item to appear.
RESET SYSTEM TBL Y/N	This message appears if a trouble is found.
ACTIVATE DIALER TEST Y/N	<i>Test Timer</i> must be programmed or this option will not appear.
ENTER LOG MENU Y/N	
DISPLAY ALARM LOG Y/N	Displays most recent alarm events.
DISPLAY TOTAL LOG Y/N	Displays most recent events of all types.
DISPLAY FIRE LOG Y/N	Displays most recent fire events.
DISPLAY SYSTEM LOG Y/N	Displays most recent system events.
ACTIVATE PROGRAM Y/N	Also called "User Program Mode". See Touchpad User Manual for more information.
CHANGE DATE Y/N	
CHANGE TIME Y/N	
ENROLL MASTER IFOB Y/N	The Master I-FOB is programmed at the factory to be the USER 01 ID code in all Areas. With the Master I-FOB, additional User I-FOB's may be created for any Areas.
ENROLL USER I-FOB Y/N	The Master I-FOB MUST be inserted into the Touchpad (when prompted) to allow the creation of a User I-FOB.
DELETE I-FOB Y/N	See Touchpad User Manual for more information.
ACTIVATE DOWNLOAD Y/N	Allows modem connection with PC Preset software.
ACTIVATE LOST KEY MODE Y/N	If the lost key mode is set to be ON , an I-FOB will be required to disarm the system when entering the through any monitored door. When activated, this selection reads "DEACTIVATE LOST KEY MODE Y/N", and "Lost Key Mode" appears in the LCD Window with the "System Ready" message.
ACTIVATE PIR TEST Y/N	The Master I-FOB MUST be inserted into the Touchpad for this menu item to appear. (Press MENU to skip to the top of the list).

The Touchpad can provide access to a wide assortment of utility functions, each displayed on the Touchpad LCD window in a prompting "YES/NO" format. This Touchpad menu is not necessary for panel programming, but is included here for reference.

TYPICAL USER: Homeowner.

TYPICAL INTERFACE: Touchpad only.

HOW TO ENTER: At the installed Touchpad, insert the Master I-FOB and press **MENU** to enter. All messages in the **Touchpad Menu Mode** are listed below, but some messages may not appear in the Touchpad display unless a User or Master I-FOB is inserted in the Touchpad; if the required condition is not present; or if the F-64 control panel is configured in such a way as to remove the message from this Menu. For example, "DISPLAY ZN FAULTS Y/N" will only display if zones are faulted. With each message, press **YES** to proceed with the change or **NO** to skip to the next selection. **Note:** Highlighted messages are sub-menu selections.

EASY MENU PROGRAMMING WORKSHEET - 2 OF 4

RF Transmitter Points:

XMTR #	ZONE #	RF ID (printed on xmtr box)				CHECK SUM	POINT #
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							

XMTR #	ZONE #	RF ID (printed on xmtr box)				CHECK SUM	POINT #
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							

XMTR #	ZONE #	RF ID (printed on xmtr box)				CHECK SUM	POINT #
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							

XMTR #	ZONE #	RF ID (printed on xmtr box)				CHECK SUM	POINT #
49							
50							
51							
52							
53							
54							
55							
56							
57							
58							
59							
60							
61							
62							
63							
64							

Keyfob Transmitters:

KEYFOB #	Area	RF ID (printed on xmtr box)				CHECK SUM	OPTION 1	OPTION 2
1								
2								
3								
4								
5								
6								
7								
8								



EASY MENU PROGRAMMING WORKSHEET - 3 OF 4

Zone Descriptions 1-32

ZN #	CHARACTERS AVAILABLE (See below)																												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1																													
2																													
3																													
4																													
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28																													
29																													
30																													
31																													
32																													

Characters Available for Zone Descriptions
 !@#\$%^&*()_+!|{|}[]`.,.<>?
 1234567890
 abcdefghijklmnopqrstuvwxyz
 ABCDEFGHIJKLMNOPQRSTUVWXYZ

Dealer Code:

For Zones 33-64,
see next page



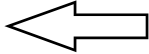
EASY MENU PROGRAMMING WORKSHEET - 4 OF 4

Zone Descriptions 33-64

ZN #	CHARACTERS AVAILABLE (See below)																												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
33																													
34																													
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61																													
62																													
63																													
64																													

Characters Available for Zone Descriptions

!@#\$%^&*()_+!|{|}[]`.,.<>?
 1 2 3 4 5 6 7 8 9 0
 a b c d e f g h i j k l m n o p q r s t u v w x y z
 A B C D E F G H I J K L M N O P Q R S T U V W X Y

For Zones 1-32,
 see previous
 page

Dealer Code:



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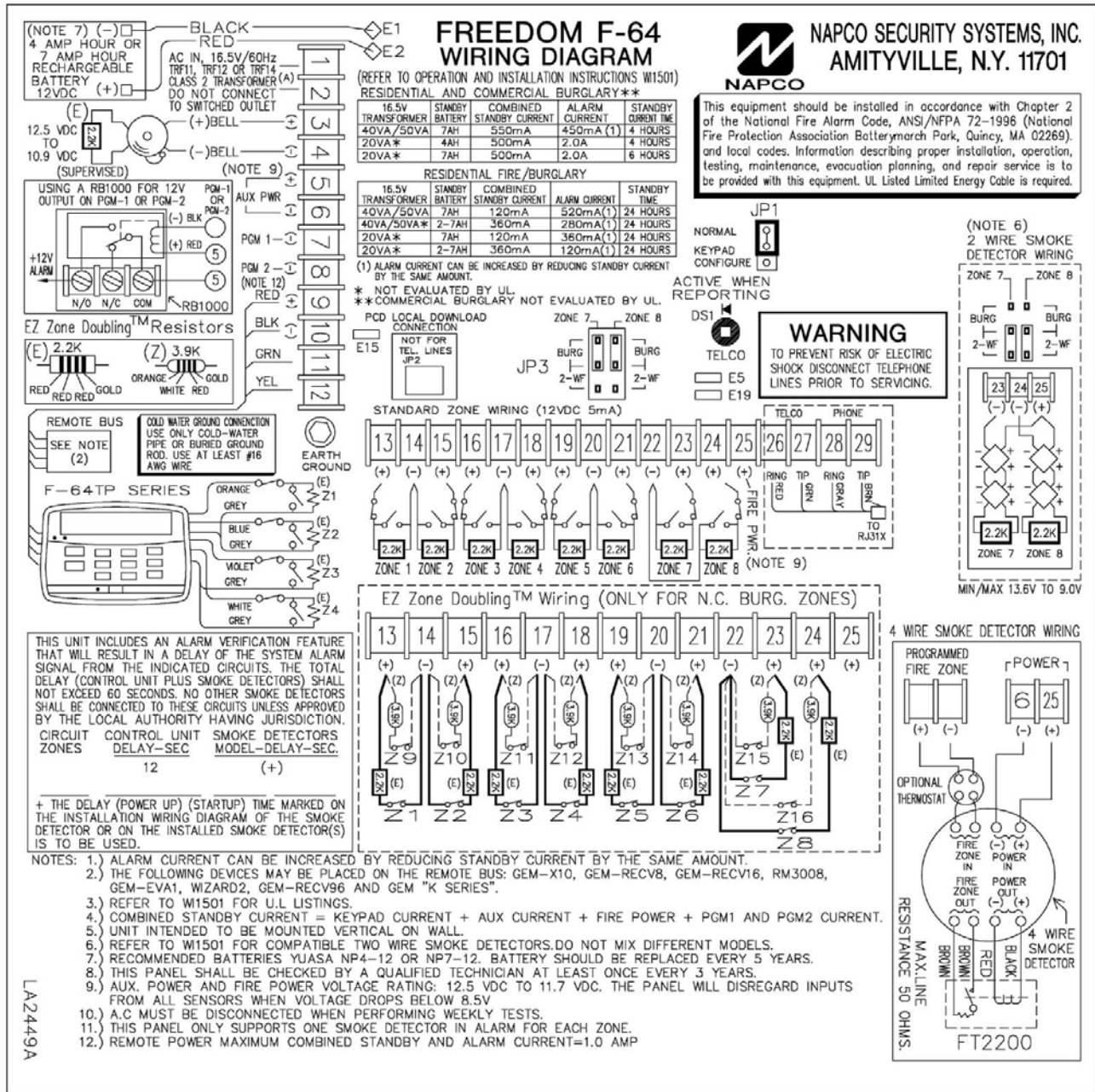
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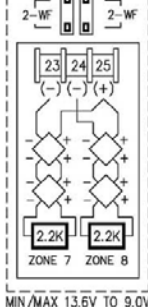
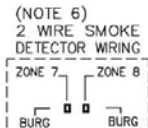
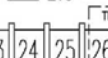
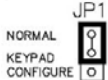


FREEDOM F-64 WIRING DIAGRAM

FREEDOM F-64 Wiring Diagram



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 Limited Energy Cable is required.



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