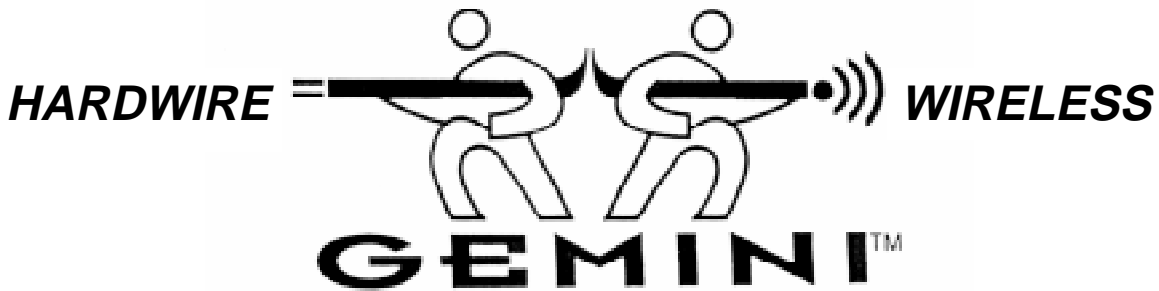# PROGRAMMING INSTRUCTIONS

napco®

HARDWIRE ⟵ ⟶ WIRELESS
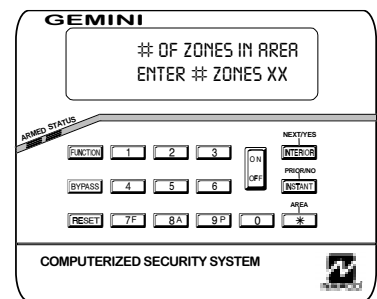
GEMINI™

GEM-P816
CONTROL PANEL/COMMUNICATOR

Quick Start:

1. **Refer to the wiring diagram, connect siren, aux. power, pgm. output, remote bus, earth ground, zone and telephone wiring. NOTE: See Installation Instructions (WI994).**

2. **Connect AC power first and then the battery.**

3. **Configure the keypad (see page 44).**

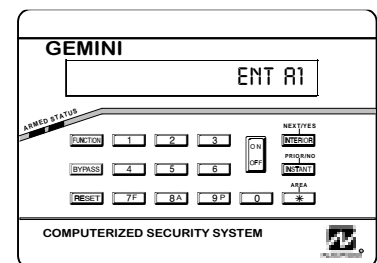4. **Access the Easy Menu Driven (Dealer Program) Mode:**

   Press [4] [5] [6] [7F] [8A] [9P] [FUNCTION]

   ⟵——— **Dealer Code** ———⟶

   Press [INSTANT] **Until** "ACTIVATE PROGRAM Y/N" (GEM-RP1CAe2) or "TURNON PROG Y/N" (GEM-RP2ASe2) appears on LCD screen.

   Press [INTERIOR] **To Enter Dealer Program Mode (see page 6).**

GEMINI

OF ZONES IN AREA
ENTER # ZONES XX

ARMED STATUS

FUNCTION 1 2 3   ON OFF   NEXT/YES INTERIOR
BYPASS 4 5 6   PRIOR/NO INSTANT
RESET 7F 8A 9P 0 *   AREA

COMPUTERIZED SECURITY SYSTEM

GEM-RP1CAe2 Keypad

GEMINI

ENT A1

ARMED STATUS

FUNCTION 1 2 3   ON OFF   NEXT/YES INTERIOR
BYPASS 4 5 6   PRIOR/NO INSTANT
RESET 7F 8A 9P 0 *   AREA

COMPUTERIZED SECURITY SYSTEM

GEM-RP2ASe2 Keypad

TABLE OF CONTENTS

Refer to accompanying GEM-P816 Installation Instructions (WI994) for installation information.

NOTE: THESE PROGRAMMING INSTRUCTIONS ARE INTENDED AND WRITTEN FOR THE PROFESSIONAL INSTALLER HAVING SUITABLE EXPERIENCE AND INSTALLATION EQUIPMENT. THE UNIT IS DESIGNED TO BE PROGRAMMED USING AN IBM-COMPATIBLE COMPUTER WITH NAPCO PCD3000 SOFTWARE. AFTER PROGRAMMING, BE SURE TO RUN THE PCD3000 ERROR-CHECK UTILITY TO GUARD AGAINST PROGRAMMING CONFLICTS FOR THE TYPE OF SERVICE SELECTED FOR THE INSTALLATION.

SYSTEM PROGRAMMING OPTIONS

INTRODUCTION

The GEM-P816 control panel may be programmed by various means, each of which will be covered in detail in the sections that follow. Keypad displays shown first are for a GEM-RP1CAe2 (version 5 keypad), the recommended keypad for programming, then for the GEM-RP2ASe2. The GEM-RP2ASe2 keypad functions similarly; however, because of its reduced display capabilities, messages are abbreviated and will scroll through two or more screens. Zone descriptions cannot be programmed using a GEM-RP2ASe2 keypad.

✔ **Downloading From a Computer.** This is the preferred method. The panel may be downloaded from (or uploaded to) an IBM PC-compatible computer, either locally or remotely. Napco's PCD3000 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.

✔ **Easy Menu Driven Program (Dealer Program) Mode - Keypad Programming.** The Easy Menu Driven Program Mode allows keypad programming of number of zones, number of fire zones (both 4-wire and 2-wire), central station reporting, number of entry/exit zones, number of interior zones, number of keypads, central station telephone number, central station account number, central station receiver format, user codes, rf transmitter points, rf key fob transmitters, date/time and zone descriptions. For new panels, a custom default program may be created at the keypad. A menu-driven utility prompts the installer to configure the system. Further detailed customization is done in the Direct Address Program Mode.

✔ **Direct Address (Dealer Program) Program Mode - Keypad Programming.** The Direct Address Program Mode is an extension of the Dealer Program Mode wherein data is entered at the keypad by location. This mode is accessed from the Easy Menu Driven Program Mode by pressing the RESET button at any time.

✔ **User Program Mode - Keypad programming.** The User Program Mode is intended for authorized users and is limited to keypad programming of User Codes and Zone Descriptions.

DOWNLOADING FROM A COMPUTER

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

Local Downloading

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

For a 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.)

Function Mode. 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 (see Keypad Programming Modes), then press the [ON/OFF] button or the YES ([INTERIOR]) 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 PCD3000 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
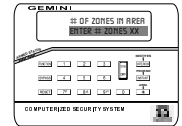
DEALER PROGRAM - PRELIMINARY INFORMATION

☞ Only Keypad #1 may be used for both dealer and user programming.

☞ The Default Dealer Code is ⟨4⟩ ⟨5⟩ ⟨6⟩ ⟨7F⟩ ⟨8A⟩ ⟨9P⟩. Use this code to enter the Dealer Program Mode to program a custom Dealer Code, which replaces the 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 ⟨ON/OFF⟩ button. Data will not be stored into memory unless it is pressed.

☞ If the keypad 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.

☞ A panel that has been COLD STARTED (Address Location 1198) performs identically to a new panel.

KEYPAD #1: For ease of programming, it is recommended that a GEM-RP1CAe2 be used as Keypad #1. (Regardless of which keypad is selected, all *new* keypads are configured as Keypad #1 out of the box.)

If a GEM-RP2ASe2 is used, configure address jumpers as Keypad #1 (see Configuring the GEM-RP2ASe2 Keypad.).

ACCESSING DEALER PROGRAM MODE

1. Press ⟨4⟩ ⟨5⟩ ⟨6⟩ ⟨7F⟩ ⟨8A⟩ ⟨9P⟩ ⟨FUNCTION⟩

Dealer Code (Default = 456789)

2. Press ⟨INSTANT⟩ **Until** "ACTIVATE PROGRAM Y/N" **(GEM-RP1CAe2) or**
"TURNON PROG Y/N" **(GEM-RP2ASe2)**
appears on LCD screen.

3. Press ⟨INTERIOR⟩ **To Enter Dealer Program Mode**

4. Press ⟨RESET⟩ ⟨RESET⟩ **To Exit Dealer Program Mode when finished**

CUSTOMIZING A DEFAULT PROGRAM

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

✔ Number of Zones
✔ Fire Zones
✔ 2-Wire Fire Zones
✔ Local or Central station Reporting
✔ Exit/Entry Zones
✔ Interior Zones

✔ Number of Keypads
✔ CS Receiver 1 Telephone Number
✔ CS Receiver 1 Account Number
✔ CS Receiver 1 Format
✔ User Codes
✔ RF Transmitter Points

✔ Key Fob Transmitters
✔ Zone Descriptions (GEM-RP1CAe2 Keypad Only)
✔ Date (GEM-RP1CAe2 Keypad Only)
✔ Time (GEM-RP1CAe2 Keypad Only)
✔ Dealer Code

This procedure will automatically set up system keypads, 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 zones and keypads 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 1197 (Clear Program); (c) press the ⟨ON/OFF⟩ button and start over.

Accessing Dealer Program Mode

A. GEM-RP1CAe2 Keypad
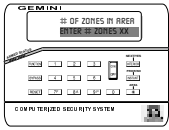
To create your customized default program using a GEM-RP1CAe2 keypad, enter the following parameters and record your information on the *Easy Menu Programming Worksheet*. In each of the following steps, press the FUNCTION button to set cursor, the NEXT (INTERIOR) button to go forwards, the PRIOR (INSTANT) button to go backwards, the ON/OFF button to save and the RESET button twice to exit at any time.

```
#OF ZNS IN AREA1
ENTER # ZONES XX
```
(Direct Entry)

Total Number of Zones *(Appears for New Panel Only)*
Directly enter the total number of zones to be programmed. Valid entries are from 01 to 16. Directly enter the total number of zones, including leading zeros. Use number buttons 1 through 9P. **NOTE:** Press the 0 button for a zero. 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 13, it will automatically convert this to 16 zones. Press ON/OFF to save. Press NEXT (INTERIOR) button to proceed. **NOTE:** If Programming a Wireless Only system, or using wireless only on Zones 9-16, enter the total number of zones in system. Enter the transmitter points in the RF Transmitter section of the Easy Menu Driven Programming Mode.

```
FIRE ZONES
ENTER ZONE # XX
```
(Direct Entry)

Fire Zones *(Appears for New Panel Only)*
Enter the zone number of any Fire Zones (both 2-wire, 4-wire or wireless). Valid entries are from 01 to 16. Directly enter each zone number, including leading zeros, and press ON/OFF to save, and then repeat for any additional zone(s). Press NEXT (INTERIOR) button to proceed.

```
2-WIRE FIRE ZNS
ENTER ZONE # XX
```
(Direct Entry)

2-Wire Fire Zones *(Appears for New Panel Only)*
Enter the zone number of any Fire Zones (from previous question) which are to be used with 2-wire smoke detectors. The only valid entries are 07 and 08. Directly enter each zone number, including leading zeros. Press ON/OFF to save, and then repeat for any additional zone(s). **NOTE:** Only zones which have been designated as Fire Zones can be programmed as 2 Wire Fire zones. Press NEXT (INTERIOR) button to proceed. **NOTE:** JP3 must be set to "2-WF" position for 2-wire fire zones (refer to Installation Instructions).

```
REPORT ALL ZONES
TO CENTRAL? Y/N
```
(Press YES or NO)

Local System or Central Station Reporting System *(Appears for New Panel Only)*
Press YES (INTERIOR) button for all zones to report; press NO (INSTANT) button for no zones to report (LOCAL SYSTEM).

```
EXIT/ENTRY ZONES
ENTER ZONE # XX
```
(Direct Entry)

Exit/Entry Zones *(Appears for New Panel Only)*
Directly enter the zone numbers which are to be used as Exit/Entry zones. Valid entries are from 01 to 16. Directly enter each zone number, including leading zeros. Use number buttons ⌊__1__⌋ through ⌊__9 P__⌋. **NOTE:** Press the ⌊__0__⌋ button for a zero. Press |ON/OFF| to save and then repeat for any additional

zone(s). Press NEXT (⌊INTERIOR⌋) button to proceed.
NOTE: Chime will automatically be programmed for all E/E zones.

```
INTERIOR ZONES
ENTER ZONE # XX
```
(Direct Entry)

Interior Zones *(Appears for New Panel Only)*
Directly enter the zone numbers which are to be used as Interior Zones. Valid entries are from 01 to 16. Directly enter each zone number, including leading zeros. Use number buttons ⌊__1__⌋ through ⌊__9 P__⌋. **NOTE:** Press the ⌊__0__⌋ button for a zero. Press |ON/OFF| to save and then repeat for any additional

zone(s). Press NEXT (⌊INTERIOR⌋) button to proceed. **NOTE:** All Interior zones will also be automatically programmed as "Exit/Entry Follower" zones.

```
# AREA 1 KEYPADS
ENTER #KPS 01
```
(Direct Entry)

Number of Keypads
Directly enter the total number of Keypads to be installed. Valid entries are from 01 to 07. Directly enter the number of keypads, including leading zeros. Use number buttons ⌊__1__⌋ through ⌊__9 P__⌋. **NOTE:** Press the ⌊__0__⌋ button for a zero. Press |ON/OFF| to save. Press NEXT (⌊INTERIOR⌋) button to proceed.

```
CENTRAL PHONE #
_____
```
(Direct Entry)

Central Station Receiver 1 Telephone Number
Using number buttons, enter telephone number of up to 16 digits including-prefix letters, if necessary, for receiver 1. Use number buttons ⌊__1__⌋ through ⌊__9 P__⌋ for digits 1–9; press the ⌊__∗__⌋ ⌊__0__⌋ button for a zero and ⌊__∗__⌋ ⌊__1__⌋ through ⌊__∗__⌋ ⌊__5__⌋ for letters B–F, respectively. **NOTE:**

Pre-Dial Delay = "D"; Dial-Tone Detection = "E". Pressing the ⌊__0__⌋ button will produce a blank space (•). Press |ON/OFF| to save . Press NEXT (⌊INTERIOR⌋) button to proceed.
NOTE: Central Station Receiver 2 and 3 Telephone Numbers can only 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. Use number buttons ⌊__1__⌋ through ⌊__9 P__⌋ for digits 1–9. **NOTE:** Press the ⌊__0__⌋ button for a zero and press ⌊__∗__⌋ ⌊__0__⌋ button for a blank space (•). Press |ON/OFF| to save . Press NEXT (⌊INTERIOR⌋) button to proceed.

NOTE: Central Station Receiver 2 and 3 Account Numbers can only 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 below, enter the central station's receiver format. Use number buttons ⌊ 1 ⌋ through ⌊ 9 P ⌋. **NOTE:** Press the ⌊ 0 ⌋ button for a zero. and press ⌊ ✱ ⌋ ⌊ 0 ⌋ for a blank space (•). Press ⌊ ✱ ⌋ ⌊ 1 ⌋ through ⌊ ✱ ⌋ ⌊ 4 ⌋ for letters B–E, respectively.

Press 🔲 to save. Press NEXT (⌊INTERIOR⌋) button to proceed.

DATA ENTRY	CS RECEIVER 1 FORMAT
•(blank)	**Ademco Slow, Silent Knight Slow**
2	**Radionics Fast**
3	**Silent Knight Fast**
4	**Radionics, DCI, Franklin Slow**

DATA ENTRY	CS RECEIVER 1 FORMAT
5	**Universal High Speed**
B	**SIA**
C	**Ademco Point ID**
E	**Pager**

NOTE: Central Station Receiver 2 and 3 Formats can only be entered in Direct Address Programming. See CS Receiver Options.

```
ENTER USER CODE
U01 123___ - _9 - __
```
User#   User Code   Options

Enter User Codes *(Press the (⌊FUNCTION⌋) button to set cursor.)*
For default program, enter up to 16 User Codes, with options.
☞ Press the (⌊FUNCTION⌋) button once to set the cursor to the User Code. Use the number buttons ⌊ 1 ⌋ through ⌊ 9 P ⌋ to enter a code from 2 to 6 digits. Enter up to 6 digits (4 digits is recommended) in the first six boxes from left to right for each user code. Valid entries are: 0-9. **NOTE:** Press the ⌊ 0 ⌋ button for a zero. No blank spaces in between; leave blank (•) any trailing boxes. If "Enable Global Ambush Code" (Address 0720) is enabled and "Global Ambush Code" (Address 1054) is **not** left blank(•), *do not* program the first two digits of ANY User Code the same as the "Global Ambush Code".

☞ If the programmed code was less than 6 digits, press the ⌊FUNCTION⌋ button once to set the cursor to the Options Level. Refer to the table below for the available options.

USER OPTIONS		
USER CODE (UP TO 6 DIGITS)	AREA 1 OPTIONS	Reserved

USER 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(•)	Add 8	* **User Program**

USER OPTIONS: Up to 16 User Codes may be programmed.
☞ Select the desired options from the table shown and enter in the remaining two boxes for each user code. **NOTE:** Press the ⌊ ✱ ⌋ ⌊ 0 ⌋ for blank space (•).

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

AREA OPTIONS	EXPLANATION
Disabled	User Code not active.
Arm/Disarm	Allows User Code to arm/disarm.
Arm Only	Prevents User Code from disarming.
Service	A Service Code has restricted arm/disarm rights; if an area is armed with a Service Code, a "SERVICE ON" appears on the GEM-RP2ASe2 keypad 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.
Access	This is normally used to activate a door strike. Also program "Access Control on PGM2 Output" (Address 0719) and "PGM2 Output Access Control Timeout" (Address 0711).
* User Program	User Program Option is enabled for Keypad 1 only, wherever it is connected. To enable User Program Option for any user add 8 to the data entry for Option (see example). Then, User Programming can be performed only at Keypad 1 by a user code with user program enabled.

☞ Press 🔲 to save. To proceed to the next User Code, press the ⌊FUNCTION⌋ button to set the cursor to the User Number and change it using the number buttons.

Program a new User Code as previously described. Remember to record your user codes in the *Easy Menu Programming Worksheet* at the back of this manual.

Related User Options: "Enable Global Ambush Code" (Address 0720) & "Global Ambush Code" (Address 1054).

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 press 🔲 to save to save.

GEM-RP1CAe/RP1CAe2 Keypad: CS Receiver 1 Format & User Codes

```
ZN⌗ XMIT⌗+CS  P
ZN01-000000: 0- 0
```

Zone #   Xmitter   Check   Point
Mapped to   ID   Sum   #

RF Transmitter Points *(Press the (FUNCTION) button to set cursor.)*

(For wireless systems only. Also see Quick Method, which follows)

For each transmitter (key fob transmitters also), enter the zone number (01–16) to which the transmitter will be mapped, the 6-digit RF ID #:1-digit checksum number printed on the transmitter and box, the point number (1–4); *enter "9" for unsupervised* (all points). **NOTE:** When programming the ID Code number, "A" = ⟦ ✱ ⟧ ⟦ 0 ⟧; "B" = ⟦ ✱ ⟧ ⟦ 1 ⟧; "C" = ⟦ ✱ ⟧ ⟦ 2 ⟧; "D" = ⟦ ✱ ⟧ ⟦ 3 ⟧; "E" = ⟦ ✱ ⟧ ⟦ 4 ⟧; "F" = ⟦ ✱ ⟧ ⟦ 5 ⟧. Press ⟦ON/OFF⟧ to save. Press NEXT (INTERIOR) button to proceed.

```
ZN⌗ XMIT⌗+CS  P
ZN01-000000: 0- 0
```

Quick Method. If a receiver is already installed in the panel, Napco 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.

```
ZN⌗ XMIT⌗+CS  P
ZN01-ENROLL:A--
```

2. Press the BYPASS button to enter the Enroll Mode. The red and green LEDs on the keypad 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 keypad will beep to indicate that the point has been successfully enrolled. Multi-point transmitters can be mapped to successive zones simultaneously (Example).

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 keypad 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 keypad will beep once to indicate that one point has been programmed. (Transmitter 287613:1, point 2 is mapped to Zone 9.).

KEY FOB ZONE ASSIGNMENT: Key fobs 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 on the keypad that describes the person holding the key fob, the location where the person holding the key fob is stationed, or the special purpose of the key fob button being depressed. *See the next page on Key Fob Transmitters as Zone Input Devices .*

GEM-RP1CAe/RP1CAe2 Keypad: RF Transmitter Points

GEM-RP1CAe/RP1CAe2 Keypad: Keyfob Transmitters, Zone Descriptions & Date

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

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

Key Fob Transmitters as Arm/Disarm & Control Devices
(Press the (FUNCTION) button to set cursor.)
Keyfobs can be programmed as "Arm/Disarm" devices using their On/Off buttons (refer to WI752). For each Key Fob Transmitter, enter:

☞ the **Key Fob Transmitter number** (01–08). Press ⌈ 0 ⌉⌈ 1 ⌉ through ⌈ 0 ⌉⌈ 8A ⌉ for 01-08.

☞ **area number** to which transmitter is assigned (0 to disable keyfob, 1 or 2). Press ⌈ 0 ⌉, ⌈ 1 ⌉ and ⌈ 2 ⌉ for 0, 1 and 2, respectively.

☞ the **6-digit RF ID #** printed on the transmitter (enter all numbers and/or letters, including leading "0"s, if any): "0" through "9" = ⌈ 0 ⌉ through ⌈ 9P ⌉; "A" = ⌈ ✳ ⌉ ⌈ 0 ⌉; "B" = ⌈ ✳ ⌉ ⌈ 1 ⌉; "C" = ⌈ ✳ ⌉ ⌈ 2 ⌉; "D" = ⌈ ✳ ⌉ ⌈ 3 ⌉; "E" = ⌈ ✳ ⌉ ⌈ 4 ⌉ and "F" = ⌈ ✳ ⌉ ⌈ 5 ⌉.

☞ 1-digit checksum number printed on the transmitter.

☞ **Aux 1 Option** (see key fob aux 1 & aux 2 options).

☞ **Aux 2 Option** (see key fob aux 1 & aux 2 options).
For Aux 1/Aux 2 Options: "0", "1", "2" and "9" = ⌈ 0 ⌉, ⌈ 1 ⌉, ⌈ 2 ⌉ and ⌈ 9P ⌉, respectively; "A" = ⌈ ✳ ⌉ ⌈ 0 ⌉; "B" = ⌈ ✳ ⌉ ⌈ 1 ⌉; "C" = ⌈ ✳ ⌉ ⌈ 2 ⌉ and "D" = ⌈ ✳ ⌉ ⌈ 3 ⌉.
If the Key Fob is converted for Two Button "Emergency Use" (by cutting an internal jumper), both top or bottom buttons must be depressed to activate an alarm. In this case, the Aux-1 and Aux-2 cannot be programmed. Press ⌈ON/OFF⌉ to save. Press NEXT (INTERIOR) button to proceed.

Key Fob Transmitters as Zone Input Devices
(refer to display as shown on the previous page: press the (INSTANT) button to go backwards.)
Each of the 4 key fob 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 16 key fobs (using 1 button) or 8 key fobs (using 2 buttons) or 4 key fobs (using all 4 buttons) or any combination up to a maximum of 16 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 the key fob zone number with a description. *To assign a key fob 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 key fob (either one will activate the zone alarm output). **NOTE:** If assigning a key fob to a zone, the "ON/OFF" buttons on the key fob will no longer arm/disarm the system. The key fob is converted to a "panic only" device.

```
01-_____
_____
```
(Direct Entry)

Enter Zone Descriptions
Press the ⌈ 1 ⌉ and ⌈ 2 ⌉ buttons to place the cursor; press the ⌈ 3 ⌉ and ⌈ 6 ⌉ buttons to select the character. For each zone, enter a description of up to two lines. Press ⌈ON/OFF⌉ to save each description. To proceed to the next description, place the cursor under the Zone Number (e.g. "01") and change the Zone Number using the ⌈ 3 ⌉ and ⌈ 6 ⌉ buttons. Program a new description as above.
NOTE: Zone Descriptions can only be entered through the *GEM-RP1CAe2 Keypad or by using the Napco Quickloader Software.* See *Easy Menu Programming Worksheet* for available zone description characters.

```
ENTER DATE
(01/01/99)
```
(Direct Entry)

Enter Date *(Press the (FUNCTION) button to set cursor.)*
Enter the current date in the format MM/DD/YY, where MM = the month (01–12); DD=the day (01–31); and YY=the year. Press ⌈ON/OFF⌉ to save. Press NEXT (INTERIOR) button to proceed.

NOTE: To enter the time at the GEM-RP1CAe2 keypad version 5 or greater must be used.

```
ENTER TIME
      [12:05A]
```
(Direct Entry)

Enter Time *(Press the (*FUNCTION*) button to set cursor.)*
Enter the current time in the format HH:MMA/P, where HH=hours (01–12); MM=minutes (00–59). Select Am or Pm by pressing any number button, then press ⌧ once again to save.

NOTE: To enter the time at the GEM-RP1CAe2 keypad version 5 or greater must be used.

```
DEALER CODE
   456789
```
(Direct Entry)

Dealer Code
Directly enter the Dealer Code (default = 456789), including leading zeros. Use the ⌊ 1 ⌋ through ⌊ 9 P ⌋ buttons. **NOTE:** Pres the ⌊ 0 ⌋ button for a zero. Press ⌧ to save.

```
DEALER CODE
  RE-ENTER
```
(Direct Entry)

Re-enter the Dealer Code to verify the previous code. Press ⌧ to save. Press NEXT (INTERIOR) button to proceed.
NOTE: The Dealer Code must be 6 digits.

GEM-RP1CAe/RP1CAe2 Keypad: Time & Dealer Code

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

CLEAR PROGRAM: Should it be necessary to create a new custom default program, (a) from the Dealer Program Mode, press the RESET button to enter the Address Program Mode; (b) access Location 1197 (Clear Program) or 1198 (Cold Start); (c) press ⌧ and then (d) press the RESET button to exit the Dealer Program Mode. A "SYSTEM TROUBLE/E09-00 SERVICE" will occur. Press the RESET button to silence the keypad.

```
1197 XX
```
GEM-RP1CAe2 Keypad

Clear Dealer Program (Erases Dealer Program)

WARNING 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 1197, then press the ⌧ button. Data entry is not allowed.
NOTE: Enter Easy Menu Driven Program Mode to program system again.

```
1198 XX
```
GEM-RP1CAe2 Keypad

Cold Start (Erases Entire Program)

WARNING 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 1198, then press the ⌧ button. Data entry is not allowed.

NOTE: Some features (schedules) can only be programmed again with the Downloading Software.

A. GEM-RP2ASe2 Keypad

GEM-RP1CAe/RP1CAe2 Keypad: No. of Zones & Fire Zones
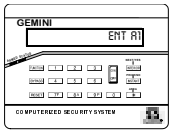
Enter the Dealer Security Code (default = 456789) for a new panel or enter your custom Dealer Program Code if programmed. Press NO ([INSTANT]) repeatedly until "**TURNON/PROG**" is displayed. **NOTE:** If you pass "**TURNON/PROG**", you can scroll back by pressing the [BYPASS] button. Press YES ([INTERIOR]) to enter the Dealer Program Mode. In each of the following steps, press the [FUNCTION] button to jump to the next screen, the NEXT ([INTERIOR]) button to go forwards, the PRIOR ([INSTANT]) button to go backwards, the [ON/OFF] button to save and the [RESET] button twice to exit at any time.

```
ENT A1
```

```
#ZNXX
```
(Direct Entry)

Number of Zones *(Appears for New Panel Only)*
Directly enter the total number of zones to be programmed. Valid entries are from 01 to 16. Directly enter the total number of zones, including leading zeros. Use number buttons [1] through [9 P]. **NOTE:** Press the [0] button for a zero. 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 13, it will automatically convert this to 16 zones. Press [ON/OFF] to save. Press NEXT ([INTERIOR]) button to proceed. **NOTE:** If Programming a Wireless Only system, or using wireless only on Zones 9-16, enter the total number of zones in system. Enter the transmitter points in the RF Transmitter section of the Easy Menu Driven Programming Mode.

```
ENT FR
```

```
ZN#XX
```
(Direct Entry)

Fire Zones *(Appears for New Panel Only)*
Enter the zone number of any zones which are to be used as Fire Zones (both 2-wire, 4-wire or wireless). Valid entries are from 01 to 16. Directly enter each zone number, including leading zeros, and press [ON/OFF] to save, and then repeat for any additional zone(s). Press NEXT ([INTERIOR]) button to proceed.

```
ENT2WF
```

```
ZN# XX
```
(Direct Entry)

2-Wire Fire Zones *(Appears for New Panel Only)*
Enter the zone numbers of any Fire Zones (from previous question) which are to be used with 2-wire smoke detectors. The only valid entries are 07 and 08. Directly enter each zone number, including leading zeros. Press [ON/OFF] to save, and then repeat for any additional zone(s). **NOTE:** Only zones which have been designated as Fire Zones in the prior question may be programmed as 2 Wire Fire zones. Press NEXT ([INTERIOR]) button to proceed.
NOTE: JP3 must be set to "2-WF" position for 2-wire fire zones (refer to Installation Instructions).

```
REPORT
```

```
ALL ZN?
```

```
Y/N
```
(Press YES or NO)

Local System or Central Station Reporting System *(Appears for New Panel Only)*
Press YES ([INTERIOR]) button for all zones to report; press NO ([INSTANT]) button for no zones to report (LOCAL SYSTEM).

```
ENT EE
```

```
ZN# XX
```
(Direct Entry)

Exit/Entry Zones *(Appears for New Panel Only)*
Directly enter the zone number of any zones which are to be used as Exit/Entry zones. Valid entries are from 01 to 16. Directly enter each zone number, including leading zeros. Use number buttons [1] through [9P].
NOTE: Press the [0] button for a zero. Press [ON/OFF] to save and then repeat for any additional zone(s). Press NEXT ([INTERIOR]) button to proceed.
NOTE: Chime will automatically be programmed for all E/E zones.

```
ENTFOL
```

```
ZN# XX
```
(Direct Entry)

Interior Zones *(Appears for New Panel Only)*
Directly enter the zone number of any zones which are to be used as Interior Follower Zones. Valid entries are from 01 to 16. Directly enter each zone number, including leading zeros. Use number buttons [1] through [9P]. **NOTE:** Press the [0] button for a zero. Press [ON/OFF] to save and then repeat for any additional zone(s). Press NEXT ([INTERIOR]) button to proceed.
NOTE: All Interior Follower zones will also be automatically programmed as "Exit/Entry Follower" zones.

GEM-RP2AS/RP2ASe Keypads: 2-Wire Fire Zones, Central Station Reporting, Exit/Entry Zones & Interior Follower Zones

ENT A1

⌗KP 01

(Direct Entry)

Number of Keypads
Directly enter the total number of Keypads to be installed. Valid entries are from 01 to 07. Directly enter the number of keypads, including leading zeros. Use number buttons ⌊1⌋ through ⌊9P⌋. **NOTE:** Press the ⌊0⌋ button for a zero. Press ⌊ON/OFF⌋ to save. Press NEXT (⌊INTERIOR⌋) button to proceed.

PHONE

——————

——————

(Direct Entry)

Central Station Receiver 1 Telephone Number
Using number buttons, enter telephone number of up to 16 digits including-prefix letters, if necessary, for receiver 1. Use number buttons ⌊1⌋ through ⌊9P⌋ for digits 1–9; press the ⌊✳⌋ ⌊0⌋ button for a zero and ⌊✳⌋ ⌊1⌋ through ⌊✳⌋ ⌊5⌋ for letters B–F, respectively. **NOTE:** Pre-Dial Delay = "D"; Dial-Tone Detection = "E". Pressing the ⌊0⌋ button will produce a blank space (•). Press ⌊ON/OFF⌋ to save . Press NEXT (⌊INTERIOR⌋) button to proceed.
NOTE: Central Station Receiver 2 and 3 Telephone Numbers can only be entered in Direct Address Programming. See CS Receiver Options.

ACC ⌗

[____]

(Direct Entry)

Central Station Receiver 1 Account Number
Enter an account number of up to four digits. Use number buttons ⌊1⌋ through ⌊9P⌋ for digits 1–9. **NOTE:** Press the ⌊0⌋ button for a zero and press ⌊✳⌋ ⌊0⌋ button for a blank space (•). Press ⌊ON/OFF⌋ to save . Press NEXT (⌊INTERIOR⌋) button to proceed.
NOTE: Central Station Receiver 2 and 3 Account Numbers can only be entered in Direct Address Programming. See CS Reporting Options.

RECFMT

(0)

(Direct Entry)

Central Station Receiver 1 Format
From the table below, enter the central station's receiver format. Use number buttons ⌊1⌋ through ⌊9P⌋. **NOTE:** Press the ⌊0⌋ button for a zero. and press ⌊✳⌋ ⌊0⌋ for a blank space (•). Press ⌊✳⌋ ⌊1⌋ through ⌊✳⌋ ⌊4⌋ for letters B–E, respectively. Press ⌊ON/OFF⌋ to save. Press NEXT (⌊INTERIOR⌋) button to proceed.

NOTE: Central Station Receiver 2 and 3 Formats can only be entered in Direct Address Programming. See CS Receiver Options.

DATA ENTRY	CS RECEIVER 1 FORMAT
•(blank)	Ademco Slow, Silent Knight Slow
2	Radionics Fast
3	Silent Knight Fast
4	Radionics, DCI, Franklin Slow

DATA ENTRY	CS RECEIVER 1 FORMAT
5	Universal High Speed
B	SIA
C	Ademco Point ID
E	Pager

```
            ZN# 01
```

```
          000000
```
(Direct Entry)

```
          :0 PT 0
```
(Direct Entry)

RF Transmitter Points *(Press the (*FUNCTION*) button to set cursor.)*

(For wireless systems only. Also see Quick Method, which follows)
For each transmitter (key fob transmitters also), enter the zone number (01–16) to which the transmitter will be mapped, the 6-digit RF ID #:1-digit checksum number printed on the transmitter and box, the point number (1–4); *enter "9" for unsupervised (all points).* **NOTE:** When programming the ID Code number, "0" through "9" = ⌊_0_⌋ through ⌊_9 P_⌋; "A" = ⌊_✳_⌋ ⌊_0_⌋; "B" = ⌊_✳_⌋ ⌊_1_⌋; "C" = ⌊_✳_⌋ ⌊_2_⌋; "D" = ⌊_✳_⌋ ⌊_3_⌋; "E" = ⌊_✳_⌋ ⌊_4_⌋ and "F" = ⌊_✳_⌋ ⌊_5_⌋. Press ⌊ON/OFF⌋ to save. Press NEXT (⌊INTERIOR⌋) button to proceed.

Quick Method. If a receiver is already installed in the panel, Napco 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 the ⌊BYPASS⌋ button to enter the Enroll Mode. The red and green LEDs on the keypad 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 keypad will beep to indicate that the point has been successfully enrolled. Multi-point transmitters can be mapped to successive zones simultaneously (Example).

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 keypad 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 keypad will beep once to indicate that one point has been programmed. (Transmitter 287613:1, point 2 is mapped to Zone 9.).

KEY FOB ZONE ASSIGNMENT: Key fobs 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 on the keypad that describes the person holding the key fob, the location where the person holding the key fob is stationed, or the special purpose of the key fob button being depressed. *See the next page on Key Fob Transmitters as Zone Input Devices .*

Enter User Codes *(Press the (*FUNCTION*) button to set cursor.)*

USER01

For default program, enter up to 16 User Codes, with options.

☞ Press the (FUNCTION) button once to set the cursor to the User Code. Use the number buttons ⌊ 1 ⌋ through ⌊ 9 P ⌋ to enter a code from 2 to 6 digits. Enter up to 6 digits (4 digits is recommended) in the first six boxes from left to right for each user code. Valid entries are: 0-9.

123 _ _ _

(Direct Entry)

NOTE: Press the ⌊ 0 ⌋ button for a zero. No blank spaces in between; leave blank (•) any trailing boxes. If "Enable Global Ambush Code" (Address 0720) is enabled and "Global Ambush Code" (Address 1054) is **not** left blank(•), *do not* program the first two digits of ANY User Code the same as the "Global Ambush Code".

OPT _9

(Direct Entry)

☞ If the programmed code was less than 6 digits, press the FUNCTION button once to set the cursor to the Options Level (OPT). Refer to the table below for the available area options.

ACC _ _

(Direct Entry)

USER OPTIONS		
USER CODE (UP TO 6 DIGITS)	AREA 1 OPTIONS	Reserved

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

USER OPTIONS: Up to 16 User Codes may be programmed.

☞ Select the desired options from the table shown and enter in the remaining two boxes for each user code. **NOTE:** Press the ⌊ * ⌋ ⌊ 0 ⌋ for blank space (•).

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

AREA OPTIONS	EXPLANATION
Disabled	User Code not active.
Arm/Disarm	Allows User Code to arm/disarm.
Arm Only	Prevents User Code from disarming.
Service	A Service Code has restricted arm/disarm rights; if an area is armed with a Service Code, a "SERVICE ON" appears on the GEM-RP2ASe2 keypad 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.
Access	This is normally used to activate a door strike. Also program "Access Control on PGM2 Output" (Address 0719) and "PGM2 Output Access Control Timeout" (Address 0711).
* User Program	User Program Option is enabled for Keypad 1 only, wherever it is connected. To enable User Program Option for any user add 8 to the data entry Option (see example). Then, User Programming can be performed only at Keypad 1 by a user code with user program enabled.

☞ Press 🔘 to save. To proceed to the next User Code, press the FUNCTION button to set the cursor to the User Number and change it using the number buttons.

Program a new User Code as previously described. Remember to record your user codes in the *Easy Menu Programming Worksheet* at the back of this manual.

Related User Options: "Enable Global Ambush Code" (Address 0720) & "Global Ambush Code" (Address 1054).

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 press 🔘 to save to save.

```
               KFOB01
```

```
              AREA 0
```
(Direct Entry)

```
             000000
```
(Direct Entry)

```
         :0   0   0
```
(Direct Entry)

Key Fob Transmitters as Arm/Disarm & Control Devices
(Press the (FUNCTION) button to set cursor.)

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

☞ the **Key Fob Transmitter number** (01–08). Press ⌊ 0 ⌋⌊ 1 ⌋ through ⌊ 0 ⌋⌊ 8A ⌋ for 01-08.

☞ **area number** to which transmitter is assigned (1); enter 0 to disable keyfob. Press ⌊ 0 ⌋, ⌊ 1 ⌋ and ⌊ 2 ⌋ for 0, 1 and 2, respectively.

☞ the **6-digit RF ID #** printed on the transmitter (enter all numbers and/or letters, including leading "0"s, if any): "0" through "9" = ⌊ 0 ⌋ through ⌊ 9P ⌋; "A" = ⌊ * ⌋ ⌊ 0 ⌋; "B" = ⌊ * ⌋ ⌊ 1 ⌋; "C" = ⌊ * ⌋ ⌊ 2 ⌋; "D" = ⌊ * ⌋ ⌊ 3 ⌋; "E" = ⌊ * ⌋ ⌊ 4 ⌋ and "F" = ⌊ * ⌋ ⌊ 5 ⌋.

☞ **1-digit checksum number** printed on the transmitter.

☞ **Aux 1 Option** (see key fob aux 1 & aux 2 options).

☞ **Aux 2 Option** (see key fob aux 1 & aux 2 options).

For Aux 1/Aux 2 Options: "0", "1", "2" and "9" = ⌊ 0 ⌋, ⌊ 1 ⌋, ⌊ 2 ⌋ and ⌊ 9P ⌋, respectively; "A" = ⌊ * ⌋ ⌊ 0 ⌋; "B" = ⌊ * ⌋ ⌊ 1 ⌋; "C" = ⌊ * ⌋ ⌊ 2 ⌋ and "D" = ⌊ * ⌋ ⌊ 3 ⌋.

If the Key Fob is converted for Two Button "Emergency Use" (by cutting an internal jumper), both top or bottom buttons must be depressed to activate an alarm. In this case, the Aux-1 and Aux-2 cannot be programmed. Press (ON/OFF) to save. Press NEXT (INTERIOR) button to proceed.

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

Key Fob Transmitters as Zone Input Devices
(refer to display as shown on the previous page: press the (INSTANT) button to go backwards.)

Each of the 4 key fob 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 16 key fobs (using 1 button) or 8 key fobs (using 2 buttons) or 4 key fobs (using all 4 buttons) or any combination up to a maximum of 16 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 the key fob zone number with description/location. *To assign a key fob 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 key fob (either one will activate the zone alarm output). **NOTE:** If assigning a key fob to a zone, the "ON/OFF" buttons on the key fob will no longer arm/disarm the system. The key fob is converted to a "panic only" device.

ZONE DESCRIPTIONS: GEM-RP2ASe2 cannot be used to enter Zone Descriptions. To enter Zone Descriptions, you must use the *GEM-RP1CAe2 Keypad or the Napco Quickloader Software.*

DATE ENTRY: GEM-RP2ASe2 cannot be used to enter the date. To enter Date, you must use the *GEM-RP1CAe2 Keypad or the Napco Quickloader Software.*

TIME ENTRY: GEM-RP2ASe2 cannot be used to enter the time. To enter Time, you must use the *GEM-RP1CAe2 Keypad or the Napco Quickloader Software.*

GEM-RP2AS/RP2ASe Keypads: Keyfob Transmitters

D CODE

(Direct Entry)

Dealer Code
Directly enter the Dealer Code (default = 456789), including leading zeros. Use the ⌊__1__⌋ through ⌊__9 P__⌋ buttons. **NOTE:** Pres the ⌊__0__⌋ button for a zero. Press [ON/OFF] to save.

456789

(Direct Entry)

Re-enter the Dealer Code to verify the previous code. Press [ON/OFF] to save. Press NEXT (INTERIOR) button to proceed.
NOTE: The Dealer Code must be 6 digits.

RE-ENT

(Direct Entry)

EXIT DEALER PROGRAM MODE: This completes the custom default program. Press the [RESET] button to enter the Direct Address Program Mode for further programming or press the [RESET] button once again to end all programming and resume normal keypad operation.

CLEAR PROGRAM: Should it be necessary to create a new custom default program, (a) from the Dealer Program Mode, press the [RESET] button to enter the Address Program Mode; (b) access Location 1197 (Clear Program) or 1198 (Cold Start); (c) press [ON/OFF] and then (d) press the [RESET] button to exit the Dealer Program Mode. A "SYSTEM TROUBLE/E09-00 SERVICE" will occur. Press the [RESET] button to silence the keypad.

1197XX

GEM-RP2ASe2 Keypad

Clear Dealer Program (Erases Dealer Program)

WARNING 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 1197, then press the [ON/OFF] button. Data entry is not allowed.
NOTE: Enter Easy Menu Driven Program Mode to program system again.

1198XX

GEM-RP2ASe2 Keypad

Cold Start (Erases Entire Program)

WARNING 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 1198, then press the [ON/OFF] button. Data entry is not allowed.
NOTE: Some features (schedules) can only be programmed again with the Downloading Software.

DIRECT ADDRESS PROGRAM MODE
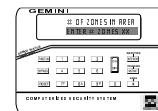
This is an extension of the Dealer Program Mode. This method of programming is used in conjunction with the Keypad Programming Worksheets that follow. Refer to these worksheets to identify the 4-digit location (address) of the feature to be programmed. An illustrative example is provided on the next page.

ADDRESS LOCATIONS	DATA ENTRY LOCATIONS	
	LEFT DIGIT	**RIGHT DIGIT**
0000	**3**	**C**

```
0000
TO
1198
```

HEXADECIMAL DATA:
BLANK (•) = No Options
1 to 9 = Entries 1 to 9
0 = Entry of 10
B to F = Entries 11 to 15
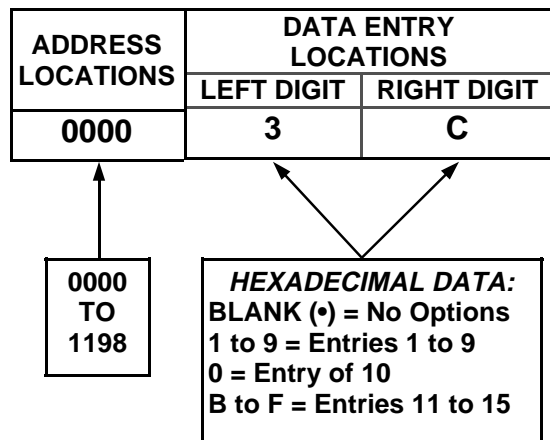
KEYPAD PROGRAMMING OVERVIEW
Direct Address Programming allows you to go directly to the address locations and change the data entries to customize your control panel options. Whereas the Easy Menu Program Mode is a simple quick start guide with limited options, the Direct Address Program Mode is more flexible allowing you to change all the options.
It consists of multiple address locations (up to 1198) with two data entry locations each (left and right) as shown in the adjacent diagram.

ACCESSING DIRECT ADDRESS PROGRAM MODE

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

Dealer Code (Default = 456789)

2. Press [INSTANT] **Until** "ACTIVATE PROGRAM Y/N" **(GEM-RP1CAe2) or**
"TURNON PROG Y/N" **(GEM-RP2ASe2)**
appears on LCD screen.

3. Press [INTERIOR] **To Enter Dealer Program Mode**

4. Press [RESET] **To Exit Easy Menu Driven Program Mode**
& Enter Direct Address Program Mode

WHAT YOU SEE ON THE KEYPAD

① ②

`0000` `3C`

GEM-RP1CAe2 Keypad

① ②

`000003C`

GEM-RP2ASe2 Keypad
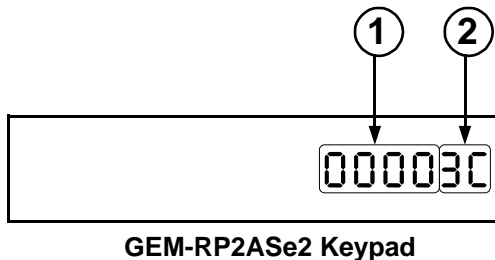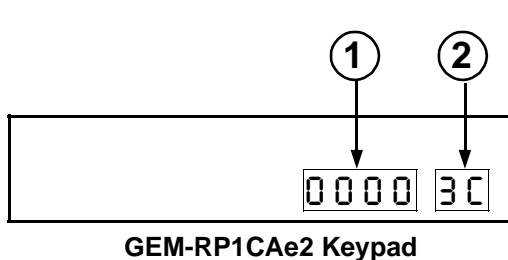
① **= ADDRESS LOCATION**

② **= DATA ENTRY LOCATION**

Accessing Direct Address Program Mode

DIRECT ADDRESS PROGRAM MODE KEYPAD COMMANDS

A. GEM-RP1CAe2 Keypads

Direct Address Program Mode Keypad Commands

TO ACCESS, PRESS [RESET] IN DEALER PROGRAM MODE.

1. TOGGLE CURSOR TO 4-DIGIT ADDRESS FIELD USING [FUNCTION] BUTTON.

2. ENTER ADDRESS NUMBER DIRECTLY USING NUMBER BUTTONS.

3. ENTER DATA DIRECTLY USING NUMBER BUTTONS.*

4. PRESS [ON/OFF] TO SAVE.

TO EXIT, PRESS [RESET].

NOTE: PRESS [0] TO CLEAR CHARACTER AT CURSOR.

SELECT NEXT/PRIOR ADDRESS.

(PRESS [*] [NEXT] TO JUMP TO NEXT PROGRAMMING BLOCK.

*PRESS "[*][0]"−"[*][5]" FOR 10−15 (A−F), RESPECTIVELY.

B. GEM-RP2ASe2 Keypad

TO ACCESS, PRESS [RESET] IN DEALER PROGRAM MODE.

1. TOGGLE CURSOR TO 4-DIGIT ADDRESS FIELD USING [FUNCTION] BUTTON.

2. ENTER ADDRESS NUMBER DIRECTLY USING NUMBER BUTTONS.

3. ENTER DATA DIRECTLY USING NUMBER BUTTONS.*

4. PRESS [ON/OFF] TO SAVE.

TO EXIT, PRESS [RESET].

NOTE: PRESS [0] TO CLEAR CHARACTER AT CURSOR.

SELECT NEXT/PRIOR ADDRESS.

(PRESS [*] [NEXT] TO JUMP TO NEXT PROGRAMMING BLOCK.

*PRESS "[*][0]"−"[*][5]" FOR 10−15 (A−F), RESPECTIVELY.

The displays shown on the previous page will appear after a brief delay.

☞ Use the the ⌜FUNCTION⌝ button 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, and the cursor will advance to the data field. Enter the required data directly using the number buttons.

☞ Press ⌜ON/OFF⌝ to save the contents of each address.

EXIT DIRECT ADDRESS PROGRAM MODE: When done, press the ⌜RESET⌝ button to exit and resume normal keypad operation. The panel is now programmed with your default program.

PROGRAMMING OVERVIEW

The Keypad 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 Quickloader software following any keypad programming and that the PCD3000's error-check feature be utilized to reduce the possibility of programming omissions or conflicts.

Note: Most of the addresses shown comprise two data entry locations, left and right digits. Program the left digits on the left data-display segment, and the right digit on the right segment. For those addresses having only one programmable nibble, program the right segment only; the left segment should display a blank (•).

Keep the Keypad 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 ✎ the respective "address" boxes. Refer to the Programming Options and Worksheets for guidance in selecting the "data" (1,2,4,8) 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 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.

NOTE: See the Direct Address Programming Example on the following page.

DATA ENTRY SELECTIONS (BINARY VALUE CIRCLED) ✎				ENTRY TOTAL	PRESS ☞	KEYPAD DISPLAYS
8	4	2	1	blank	⌜ 0 ⌝	•
8	4	2	①	1	⌜ 1 ⌝	1
8	4	②	1	2	⌜ 2 ⌝	2
8	4	②	①	3	⌜ 3 ⌝	3
8	④	2	1	4	⌜ 4 ⌝	4
8	④	2	①	5	⌜ 5 ⌝	5
8	④	②	1	6	⌜ 6 ⌝	6
8	④	②	①	7	⌜ 7F ⌝	7
⑧	4	2	1	8	⌜ 8A ⌝	8
⑧	4	2	①	9	⌜ 9P ⌝	9
⑧	4	②	1	10	⌜ ✳ ⌝ ⌜ 0 ⌝	0
⑧	4	②	①	11	⌜ ✳ ⌝ ⌜ 1 ⌝	B
⑧	④	2	1	12	⌜ ✳ ⌝ ⌜ 2 ⌝	C
⑧	④	2	①	13	⌜ ✳ ⌝ ⌜ 3 ⌝	D
⑧	④	②	1	14	⌜ ✳ ⌝ ⌜ 4 ⌝	E
⑧	④	②	①	15	⌜ ✳ ⌝ ⌜ 5 ⌝	F

Table 1. Determining data entry for a location (each "nibble"). Numbers in parentheses indicate data for selected zones or features. (See Programming Worksheets that follow.)

Direct Address Programming Example

Example: Program Zones 6, 7 and 8 as Exit/Entry Follower Zones.

DETERMINE THE DATA ENTRIES

☞ 1. Referring to ZONE FEATURES in the Programming Worksheets that follow, Exit/Entry Follower for Zones 5 through 8 are located at address 0506, left digit. Circle ✐ the data values for Zones 5–8.

☞ 2. Add the data values for Zones 6, 7 and 8: 2+4+8=14. From Tables 1 and 2, "14" (E) is entered as press ⬛ ✳ ⬛ ⬛ 4 ⬛ . The right digit (for Zones 1 through 4, none of which are Exit/Entry Follower Zones) is entered as a blank (•).

ZONE OPTION	ZONES LEFT DATA VALUES SUM = 14 (CIRCLE ✐)				ADDRESS 0506			ZONES RIGHT DATA VALUES SUM = 0 (CIRCLE ✐)			
	ZN08	ZN07	ZN06	ZN05	L	ADDR	R	ZN04	ZN03	ZN02	ZN01
EXIT/ENTRY FOLLOWER	⑧	④	②	1	E	0506	blank (•)	8	4	2	1

ENTER DATA ✐

PROGRAM THE DATA ENTRIES

☞ 1. Enter the panel's Dealer Code (Default = 456789), then press the ⎡FUNCTION⎤ button.

☞ 2. Answer NO (⎡INSTANT⎤) to all questions until "ACTIVATE PROGRAM Y/N" is displayed; then press YES (⎡INTERIOR⎤).
NOTE: If you pass "ACTIVATE PROGRAM", scroll backward using the the the ⎡BYPASS⎤ button.

☞ 3. Press the ⎡RESET⎤ button to enter the Address Program Mode. Address "0000" will display.

☞ 4. Press ⬛ 0 ⬛ ⬛ 5 ⬛ ⬛ 0 ⬛ ⬛ 6 ⬛ to access Address 0506. *The data for both digits will display and the cursor will advance to the data field.*

☞ 5. Press ⬛ ✳ ⬛ ⬛ 4 ⬛ to enter an "E" in the left digit and press ⬛ 0 ⬛ to enter a blank (•) in the right digit.

☞ 6. Press ⎡ON/OFF⎤ to save.

Address 0506 is now programmed with "E•".

PROGRAMMING OPTIONS & WORKSHEETS
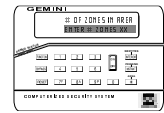
1. Press [4] [5] [6] [7F] [8A] [9P] [FUNCTION]

← Dealer Code →

2. Press [INSTANT]   Until "ACTIVATE PROGRAM Y/N" **(GEM-RP1CAe2) or**

"TURNON PROG Y/N" **(GEM-RP2ASe2)**
appears on LCD screen.

3. Press [INTERIOR]   **To Enter Dealer Program Mode**

4. Press [RESET]   **To Exit Easy Menu Driven Program Mode**
& Enter Direct Address Program Mode

GEM-RP1CAe2 Keypad

GEMINI

0000 3C

ARMED STATUS

FUNCTION CURSOR
BYPASS
RESET EXIT

1 2 3
4 5 6
7F 8A 9P 0 CLEAR

ON / OFF SAVE
AREA *
READ

NEXT/YES INTERIOR
PRIOR/NO INSTANT

COMPUTERIZED SECURITY SYSTEM

NAPCO

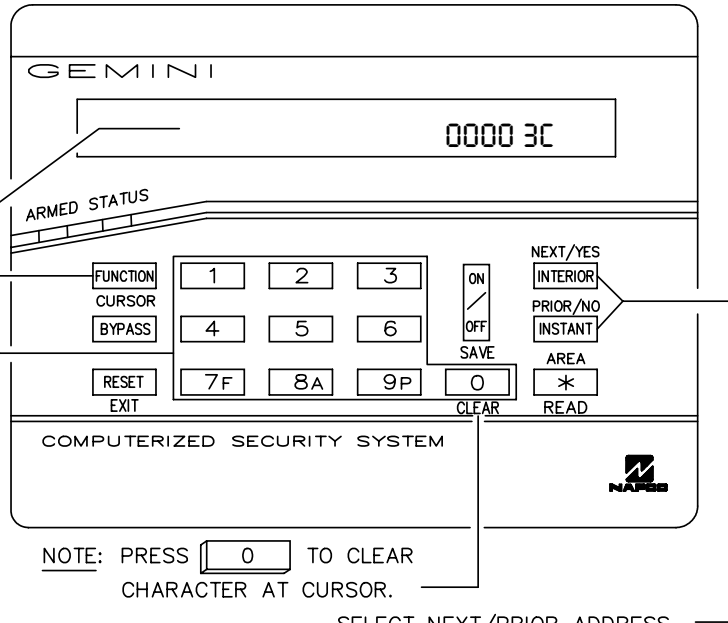TO ACCESS, PRESS [RESET]
IN DEALER PROGRAM MODE.

1. TOGGLE CURSOR TO
   4-DIGIT ADDRESS FIELD
   USING [FUNCTION] BUTTON.

2. ENTER ADDRESS NUMBER
   DIRECTLY USING NUMBER
   BUTTONS.

3. ENTER DATA DIRECTLY
   USING NUMBER BUTTONS.*

4. PRESS [ON/OFF] TO SAVE.

TO EXIT, PRESS [RESET].

NOTE: PRESS [0] TO CLEAR
CHARACTER AT CURSOR.

SELECT NEXT/PRIOR ADDRESS.

(PRESS [*] [NEXT] TO JUMP TO NEXT PROGRAMMING BLOCK.

*PRESS "[*][0]"–"[*][5]" FOR 10–15 (A–F), RESPECTIVELY.

GEM-RP2ASe2 Keypad

GEMINI

00003C

ARMED STATUS

FUNCTION CURSOR
BYPASS
RESET EXIT

1 2 3
4 5 6
7F 8A 9P 0 CLEAR

ON / OFF SAVE
AREA *
READ

NEXT/YES INTERIOR
PRIOR/NO INSTANT

COMPUTERIZED SECURITY SYSTEM

NAPCO

TO ACCESS, PRESS [RESET]
IN DEALER PROGRAM MODE.
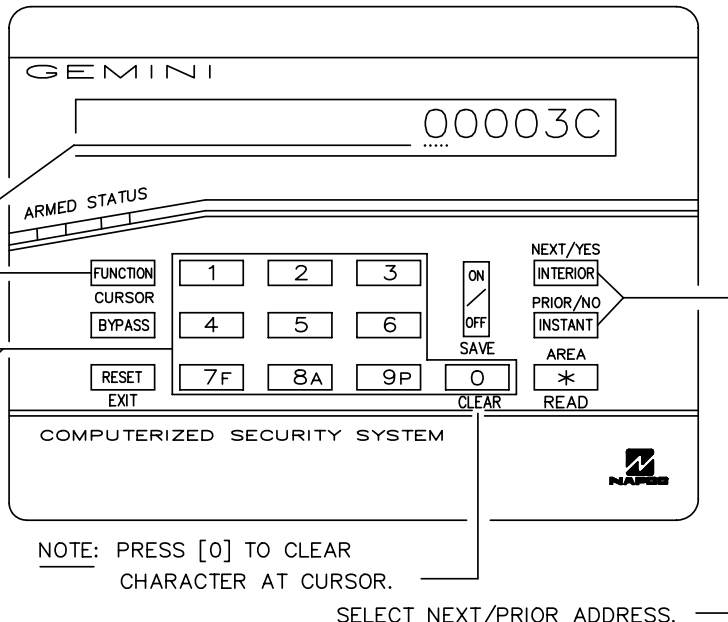
1. TOGGLE CURSOR TO 4-DIGIT
   ADDRESS FIELD USING
   [FUNCTION] BUTTON.

2. ENTER ADDRESS
   NUMBER DIRECTLY
   USING NUMBER BUTTONS.

3. ENTER DATA DIRECTLY
   USING NUMBER BUTTONS.*

4. PRESS [ON/OFF] TO SAVE.

TO EXIT, PRESS [RESET].

NOTE: PRESS [0] TO CLEAR
CHARACTER AT CURSOR.

SELECT NEXT/PRIOR ADDRESS.

(PRESS [*] [NEXT] TO JUMP TO NEXT PROGRAMMING BLOCK.

*PRESS "[*][0]"–"[*][5]" FOR 10–15 (A–F), RESPECTIVELY.

ENTRY TOTAL	PRESS	KEYPAD DISPLAYS
blank	[0]	•
1	[1]	1
2	[2]	2
3	[3]	3
4	[4]	4
5	[5]	5
6	[6]	6
7	[7F]	7
8	[8A]	8
9	[9P]	9
10	[*] [0]	0
11	[*] [1]	B
12	[*] [2]	C
13	[*] [3]	D
14	[*] [4]	E
15	[*] [5]	F

Determining data entry for a location (each "nibble"). Numbers in parentheses indicate data for selected zones or features. (See Programming Worksheets that follow.)

SYSTEM DELAYS & TIMEOUTS (ADDRESS 0000 TO 0002, 0711, 0715 & 1059)

EXIT DELAY (sec.)	ADDRESS 0000	
	LEFT	**RIGHT**

[Default = 3C]

ENTRY DELAY 1 (sec.)	ADDRESS 0001	
	LEFT	**RIGHT**

[Default = 1E]

ENTRY DELAY 2 (sec.)	ADDRESS 0002	
	LEFT	**RIGHT**

[Default = 1E]

PGM2 Output Access Control Timeout (sec.)	ADDRESS 0711	
	LEFT	**RIGHT**

[Default = blank (•) blank (•)]

ABORT DELAY (sec.)	ADDRESS 0715	
	LEFT	**RIGHT**

[Default = blank (•) blank (•)]

Sensor Watch Time (Hrs.)	ADDRESS 1059	
	LEFT	**RIGHT**

[Default = blank (•) blank (•)]

Report Cancel Window (sec.)	ADDRESS 1179	
	LEFT	**RIGHT**

[Default = blank (•) blank (•)]

DATA ENTRIES		DELAY/ TIMEOUT
LEFT	**RIGHT**	
blank (•)	blank (•)	0 sec.
blank (•)	F	15 sec.
1	E	30 sec.
2	D	45 sec.
3	C	60 sec.
5	0	90 sec.
7	8	120 sec.
F	F	255 sec.

☞ 1. Select delay/timeout (0-255 sec.) from the table shown.

☞ 2. Enter in corresponding address locations above (left and right digits).

☞ 3. For a desired delay/timeout not listed do the following:

   A. Choose a desired delay/timeout, ex: 20 sec.

   B. Divide it by 16

① Quotient ——→ Left Digit

16) 20
   − 16

④ Remainder ——→ Right Digit

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 table, except in hours.

📌 PROGRAMMING TIMEOUTS: Either use the tables provide or calculate your own timeout using the steps indicated.
WARNING: Timers have uncertainty of +/-1sec, so a "time" of 1 second may actually timeout IMMEDIATELY.

SYSTEM DELAYS & TIMEOUTS (ADDRESS 0716 & 0717)

CHIME TIMEOUT (¼sec.)	ADDRESS 0716	
	LEFT	**RIGHT**

[Default = blank (•) 2]

AC Fail Report Delay (min.)	ADDRESS 0717	
	LEFT	**RIGHT**

[Default = blank (•) blank (•)]

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

CHIME TIMEOUT OPTIONS		
DATA ENTRIES		TIMEOUT
LEFT	**RIGHT**	
blank (•)	blank (•)	0 ¼sec. = 0 sec.
blank (•)	2	2 ¼sec. = ½ sec.
blank (•)	3	3 ¼sec. = ¾ sec.
blank (•)	4	4 ¼sec. = 1 sec.
blank (•)	5	5 ¼sec. = 1.25 sec.
blank (•)	6	6 ¼sec. = 1.5 sec.
blank (•)	7	7 ¼sec. = 1.75 sec.
blank (•)	8	8 ¼sec. = 2 sec.
F	F	255 ¼sec. = 63.25 sec.

AC FAIL REPORT DELAY OPTIONS		
DATA ENTRIES		DELAY
LEFT	**RIGHT**	
blank (•)	blank (•)	0 min.
blank (•)	1	1 min.
blank (•)	2	2 min.
blank (•)	3	3 min.
blank (•)	4	4 min.
blank (•)	5	5 min.
blank (•)	6	6 min.
blank (•)	7	7 min.
F	F	255 min. = 4 Hr., 30 min.

☞ 1. Select delay/timeout from the table shown.

☞ 2. Enter in corresponding address locations above (left and right digits).

☞ 3. For a desired delay/timeout not listed do the following:

   A. Choose a desired delay/timeout, ex: 20

   B. Divide it by 16

① Quotient ——→ Left Digit

16) 20
   − 16

④ Remainder ——→ Right Digit

📌

Program Option	ADDRESS LOC.	
	LEFT	**RIGHT**

ENTER DATA ✏

PROGRAMMING STEPS:
1. Lookup desired Programming Option by Address Location (highlighted in black).

2. Select the programming option data entry from the tables shown.

3. Enter the selected data entry in the boxes shown.

4. For more information on a programming option refer to the Glossary at the end of this manual.

SYSTEM OUTPUT TIMEOUTS (ADDRESS 0710, 0712, 0713 & 0714)

PGM2 Output Timeout (min.)	ADDRESS 0710	
	LEFT	RIGHT

[Default = blank (•) blank (•)]

Alarm Output Timeout (min.)	ADDRESS 0712	
	LEFT	RIGHT

[Default = 1 blank (•)]

Pulse Alarm Output Timeout (min.)	ADDRESS 0713	
	LEFT	RIGHT

[Default = 1 blank (•)]

PGM1 Output Timeout (min.)	ADDRESS 0714	
	LEFT	RIGHT

[Default = blank (•) blank (•)]

DATA ENTRIES		DELAY/ TIMEOUT
LEFT	RIGHT	
blank (•)	blank (•)	0 min.
blank (•)	1	1 min.
blank (•)	2	2 min.
blank (•)	3	3 min.
blank (•)	4	4 min.
blank (•)	5	5 min.
blank (•)	6	6 min.
1	blank (•)	16 min.
↓	↓	↓
F	F	255 min.

☞ 1. Select delay/timeout (0-255 min.) from the table shown.

☞ 2. Enter in corresponding address locations above (left and right digits).

☞ 3. For a desired delay/timeout not listed do the following:

A. Choose a desired delay/timeout, ex: 20 min.

B. Divide it by 16

① Quotient ⟶ Left Digit

16) 20
− 16
④ Remainder ⟶ Right Digit

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. For UL Commercial Installations, the minimum

DOWNLOAD/CALLBACK OPTIONS (ADDRESS 1183 & 0236-0255)

No. Rings Before Pickup	ADDRESS 1183	
	LEFT	RIGHT
	blank (•)	

[Default = blank (•) blank (•)]

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 in right digit only (left digit is not used).

☞ 2. Valid entries are: 1-9, 0 = 10, B = 11, C = 12, D = 13, E = 14, F = 15

NOTE: Default is 15 Rings. Dark shaded data shows option not available.

Callback Telephone Number (Digits 1-20)	ADDRESS 0236-0255 (RIGHT DIGITS 1-20)																			
	0236	0237	0238	0239	0240	0241	0242	0243	0244	0245	0246	0247	0248	0249	0250	0251	0252	0253	0254	0255
	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R

[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). **NOTE:** Not for UL Installations.

☞ 1. Enter in right digit only (left digit is not used).

☞ 2. Enter up to 20 digits from left to right. **NOTE:** Leave trailing boxes blank (•).

☞ 3. Valid entries are: 1-9, B = ✳ button, C = # button, D = 3 sec. pause, E = Wait for dial tone, F = ignore location

PAGER FORMAT OPTIONS (ADDRESS 0256 & 0257)

Leading Digits for Pager Format (1st Digit)	ADDRESS 0256	
	LEFT	RIGHT
	blank (•)	

Leading Digits for Pager Format (2nd Digit)	ADDRESS 0257	
	LEFT	RIGHT
	blank (•)	

[Default = blank (•) blank (•) for both]

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. Typical Pager report is "003 022 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 "983 022 1234". **NOTE:** See CS Receiver Options to select Pager Format.

☞ 1. Enter in 1st and 2nd Leading Digits in right digit only (left digit is not used) as shown.

☞ 2. Valid entries are: 0-9.

System Output Timeouts, Download/Callback & Pager Options

SYSTEM OPTIONS (ADDRESS 0460-0477 & 1054)

SYSTEM RESPONSE ACTIVATED BY GLOBAL EVENT/TROUBLE	GLOBAL SYSTEM EVENT/TROUBLE LEFT DATA VALUES (CIRCLE ✎)				ADDRESS 0460-0469			GLOBAL SYSTEM EVENT/TROUBLE RIGHT DATA VALUES (CIRCLE ✎)			
	Bell Superv.	EZM TAMPER	AC FAIL	LOW BATTERY	LEFT	ADDR	RIGHT	MEMORY FAILURE	RF RCVR. TROUBLE	TELCO FAILURE	TEST TIMER
Alarm Output	**8**	4	2	1		0460		8	4	2	**1**
Pulsed Alarm Output	**8**	4	2	1		0461		8	4	2	**1**
PGM1 Output	8	4	2	1		0462		8	4	2	**1**
PGM2 Output	8	4	2	1		0463		8	4	2	**1**
Report Event Telco 1	8	4	2	1		0464		8	4	**2**	1
Report Restore Telco 1	8	**4**	2	1		0465		**8**	4	2	1
Report Event Telco 3	8	4	2	1		0468		8	4	**2**	1
Report Restore Telco 3	8	**4**	2	1		0469		**8**	4	2	1

[Default = blank (•) blank (•) from address 0460-0469]

SYSTEM RESPONSE ACTIVATED BY AREA 1 EVENT/TROUBLE	SYSTEM EVENT/TROUBLE LEFT DATA VALUES (CIRCLE ✎)				ADDRESS 0470-0477			SYSTEM EVENT/TROUBLE RIGHT DATA VALUES (CIRCLE ✎)			
	Keyfob Low Batt.	FAIL TO CLOSE	FAIL TO OPEN	KEYPAD TAMPER	LEFT	ADDR	RIGHT	KEYPAD AUX. *	KEYPAD FIRE	KEYPAD PANIC	AMBUSH
Pulsed Alarm Output	8	4	2	1		0470		8	4	2	1
Alarm Output	8	4	2	1		0471		8	4	2	1
PGM1 Output	8	4	2	1		0472		8	4	2	1
PGM2 Output	8	4	2	1		0474		8	4	2	1
Report Event Telco 1	8	4	2	1		0475		8	4	2	1
Report Event Telco 3	8	4	2	1		0477		8	4	2	1

[Default = blank (•) blank (•) from address 0470-0477]

* NOTE: Keypad Aux. is not to be selected for UL Installations.

☞ 1. Select the desired option by circling ✎ the data values for each digit (left and right).

☞ 2. Add the data values (ex: 15=1+2+4+8) from the selected options.

☞ 3. Enter in address location (left and right digits).

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

Global Ambush Code	ADDRESS 1054	
	LEFT	RIGHT

[Default = blank (•) blank (•)]

GLOBAL AMBUSH CODE: It is the 2-digits entered immediately prior to the regular disarm code. If "Enable Global Ambush Code" (Address 0720) is selected and Address 1054 is left blank (•), then the 2-digit Global Ambush Code is "99". If "Enable Global Ambush Code" is selected and Address 1054 is **not** left blank (•), then the 2-digit Global Ambush Code is the two digits entered in address 1054.

☞ Enter in address location (both left and right digits) ; valid entries are 1-9.

System Options

SYSTEM OPTIONS (ADDRESS 0718-0722)

System Options

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE ✏)
RESERVED	1
Enable AutoArm if not closed at end of windows	2
Disable Time/Date at Keypad	4
Disable Zone Fault Scrolling	8

ADDRESS 0718

LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)

[Default = blank (•) blank (•)]

RIGHT DATA VALUES (CIRCLE ✏)	SYSTEM OPTIONS
1	Opening Report Only after Alarm Report
2	Closing Report Only on Conditional Close
4	Incl. Sel./Grp. Bypass in Cond. Close /Status
8	Status Report

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE ✏)
Access Control on PGM2 Output	1
Maintained Keyswitch Arming	2
RESERVED	4
Disable Keypad Instant Mode	8

ADDRESS 0719

LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)

[Default = blank (•) blank (•)]

RIGHT DATA VALUES (CIRCLE ✏)	SYSTEM OPTIONS
1	Auto Bell Test on Arming
2	Auto Reset after Burglary Output Timeout
4	Suppress Bypass Reminder when Armed
8	RESERVED

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE ✏)
Disable Keypad Function Mode Download	1
Disable Callback Download	2
PGM2 Output Chirp on Keyfob Arming	4
Change Pulse Output to Cadence	8

ADDRESS 0720

LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)

[Default = blank (•) blank (•)]

RIGHT DATA VALUES (CIRCLE ✏)	SYSTEM OPTIONS
1	RESERVED
2	Enable Global Ambush Code *
4	Reset Day Zone with Arm/Disarm Only
8	Enable Residential Fire

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE ✏)
Line-Fault Test only when Armed	1
Enable Line-Fault Test	2
Inhibit System Trouble Audible at Keypad *	4
RESERVED	8

ADDRESS 0721

LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)

[Default = blank (•) blank (•)]

RIGHT DATA VALUES (CIRCLE ✏)	SYSTEM OPTIONS
1	RESERVED
2	Wireless Trouble Activates Telco 1
4	Wireless Trouble Activates Telco 3
8	Enable Alarm Output on Telco Fail only when Areas are Armed

* NOTE: Not for UL Installations.

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE ✏)
Don't Clear PGM2 Output with Arm/Disarm	1
2nd Ring Download (Dis. Ans. Machine Overide)	2
RESERVED	4
RESERVED	8

ADDRESS 0722

LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)

[Default = blank (•) blank (•)]

RIGHT DATA VALUES (CIRCLE ✏)	SYSTEM OPTIONS
1	RESERVED
2	Veri-phone Zones Trip PGM2 Output
4	Veri-phone Zones over Priority Alarms
8	Resound on Wireless Smoke Low Battery

☞ 1. Select the desired option by circling ✏ the data values for each digit (left and right).

☞ 2. Add the data values (ex: 15=1+2+4+8) from the selected options.

☞ 3. Enter in address location (left and right digits).

* NOTE: If "Enable Global Ambush Code" in Address 0720 is selected, then program the 2-digit "Global Ambush Code" in Address 1054. If Address 1054 is left blank (•), then, the 2-digit "Global Ambush Code" will be "99".

NOTE: To select "Line-Fault Test only when Armed", you must also select "Enable Line-Fault Test" at address 0721.

SYSTEM OPTIONS (ADDRESS 1060)
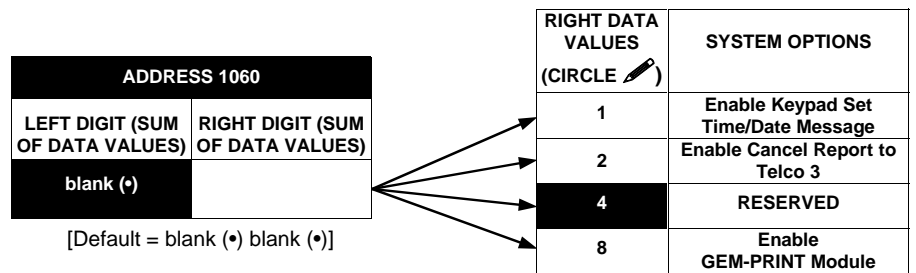
ADDRESS 1060	
LEFT DIGIT (SUM OF DATA VALUES)	**RIGHT DIGIT (SUM OF DATA VALUES)**
blank (•)	

[Default = blank (•) blank (•)]

RIGHT DATA VALUES (CIRCLE ✏)	SYSTEM OPTIONS
1	**Enable Keypad Set Time/Date Message**
2	**Enable Cancel Report to Telco 3**
4	**RESERVED**
8	**Enable GEM-PRINT Module**

☞ 1. Select the desired option by circling ✏ the data values for each digit (left and right).

☞ 2. Add the data values (ex: 15=1+2+4+8) from the selected options.

☞ 3. Enter in address location right digit only (left digit is not used).

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

System Options

CS RECEIVER OPTIONS (ADDRESS 0170-0191, 0192-0213, 0214-0235)

CS Receiver 1 Format	ADDRESS 0170	
	LEFT	RIGHT
	blank (•)	

CS Receiver 2 Format	ADDRESS 0192	
	LEFT	RIGHT
	blank (•)	

CS Receiver 3 Format	ADDRESS 0214	
	LEFT	RIGHT
	blank (•)	

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 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 in the corresponding right digit address location (left digit is not used) for each CS Receiver. **NOTE:** Dark shaded data value box shows option not available.

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

CS RECEIVER 1 OPTIONS	LEFT DATA VALUES (CIRCLE ✎)
Sum Check	1
3/1 with Extended Restores	2
RESERVED	4
RESERVED	8

ADDRESS 0171	
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)

[Default = blank (•) blank (•)]

RIGHT DATA VALUES (CIRCLE ✎)	CS RECEIVER 1 OPTIONS
1	1400Hz Handshake/Kissoff *
2	2300Hz Handshake/Kissoff *
4	Enable Zone Number on Pulse Alarm
8	Single Digit Only

CS RECEIVER 2 OPTIONS	LEFT DATA VALUES (CIRCLE ✎)
Sum Check	1
3/1 with Extended Restores	2
RESERVED	4
RESERVED	8

ADDRESS 0193	
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)

[Default = blank (•) blank (•)]

RIGHT DATA VALUES (CIRCLE ✎)	CS RECEIVER 2 OPTIONS
1	1400Hz Handshake/Kissoff *
2	2300Hz Handshake/Kissoff *
4	Enable Zone Number on Pulse Alarm
8	Single Digit Only

CS RECEIVER 3 OPTIONS	LEFT DATA VALUES (CIRCLE ✎)
Sum Check	1
3/1 with Extended Restores	2
RESERVED	4
RESERVED	8

ADDRESS 0215	
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)

[Default = blank (•) blank (•)]

RIGHT DATA VALUES (CIRCLE ✎)	CS RECEIVER 3 OPTIONS
1	1400Hz Handshake/Kissoff *
2	2300Hz Handshake/Kissoff *
4	Enable Zone Number on Pulse Alarm
8	Single Digit Only

CS RECEIVER OPTIONS: Select options for any of the three CS Receivers.

☞ 1. Select the desired option by circling ✎ the data values for each digit (left and right).

☞ 2. Add the data values (ex: 15=1+2+4+8) from the selected options.

☞ 3. Enter in address location (left and right digits).

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

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

CS Receiver 1 Telephone Number (Digits 1-20)	ADDRESS 0172-0191 (RIGHT DIGITS 1-20)																			
	0172	0173	0174	0175	0176	0177	0178	0179	0180	0181	0182	0183	0184	0185	0186	0187	0188	0189	0190	0191
	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R

Default for CS Receiver 1 Telephone Number depends on Easy Menu Question "CENTRAL PHONE #".

CS Receiver 2 Telephone Number (Digits 1-20)	ADDRESS 0194-0213 (RIGHT DIGITS 1-20)																			
	0194	0195	0196	0197	0198	0199	0200	0201	0202	0203	0204	0205	0206	0207	0208	0209	0210	0211	0212	0213
	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R

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

CS Receiver 3 Telephone Number (Digits 1-20)	ADDRESS 0216-0235 (RIGHT DIGITS 1-20)																			
	0216	0217	0218	0219	0220	0221	0222	0223	0224	0225	0226	0227	0228	0229	0230	0231	0232	0233	0234	0235
	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R

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

☞ 1. Enter in right digit only (left digit is not used).

☞ 2. Enter up to 20 digits from left to right. **NOTE:** Leave trailing boxes blank (•).

☞ 3. Valid entries are: 1-9, B = ⊡ button, C = ⊞ button, D = 3 sec. pause, E = Wait for dial tone, F = ignore location

CS Receiver Options

CS SUBSCRIBER ID & SYSTEM REPORTING OPTIONS (ADDRESS 0259-0347)

CS Subscriber ID & System Reporting Options

CS Telco 1 Subscriber Opening/Closing ID Number	ADDRESS 0259-0262 (RIGHT DIGITS 1-4)			
	0259	0260	0261	0262
	R	R	R	R

CS Telco 1 Subscriber Event ID Number	ADDRESS 0267-0270 (RIGHT DIGITS 1-4)			
	0267	0268	0269	0270
	R	R	R	R

CS Telco 1 Subscriber Event ID Number(System)	ADDRESS 0275-0278 (RIGHT DIGITS 1-4)			
	0275	0276	0277	0278
	R	R	R	R

CS Telco 2 Subscriber Opening/Closing ID Number	ADDRESS 0279-0282 (RIGHT DIGITS 1-4)			
	0279	0280	0281	0282
	R	R	R	R

CS Telco 2 Subscriber Event ID Number	ADDRESS 0287-0290 (RIGHT DIGITS 1-4)			
	0287	0288	0289	0290
	R	R	R	R

CS Telco 2 Subscriber Event ID Number (System)	ADDRESS 0295-0298 (RIGHT DIGITS 1-4)			
	0295	0296	0297	0298
	R	R	R	R

CS Telco 3 Subscriber Opening/Closing ID Number	ADDRESS 0299-0302 (RIGHT DIGITS 1-4)			
	0299	0300	0301	0302
	R	R	R	R

CS Telco 3 Subscriber Event ID Number	ADDRESS 0307-0310 (RIGHT DIGITS 1-4)			
	0307	0308	0309	0310
	R	R	R	R

CS Telco 3 Subscriber Event ID Number (System)	ADDRESS 0315-0318 (RIGHT DIGITS 1-4)			
	0315	0316	0317	0318
	R	R	R	R

Default for CS Telco 1 Subscriber Event ID Number depends on Easy Menu 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 in corresponding right digit address location (left digit is not used).

☞ 2. Enter 3 or 4 digits (depending on the CS receiver format) for each subscriber number from left to right. **NOTE:** Leave trailing boxes blank (•).

☞ 3. Valid entries are: 1-9, 0 and B-F. **NOTE:** A is not permitted.

CS SYSTEM REPORTING CODES	ADDRESS 0319-0332		
	LEFT	ADDR	RIGHT
Alarm Restore	blank (•)	0319	
Trouble	blank (•)	0320	
Trouble Restore	blank (•)	0321	
Xmitter Low Battery	blank (•)	0322	
Xmitter Supervision	blank (•)	0323	
Xmitter Tamper	blank (•)	0324	
RESERVED	blank (•)	0325	blank (•)
Opening	blank (•)	0326	
Closing	blank (•)	0327	
Opening after Alarm		0328	
Conditional Close		0329	
Cancel		0330	
Test Timer		0332	

[Default = blank (•) blank (•) from address 0319-0332]

CS SYSTEM REPORTING CODES	ADDRESS 0333-0347		
	LEFT	ADDR	RIGHT
Telco Fail		0333	
RF Rec. Trouble		0334	
Memory Fail		0335	
Low Battery		0336	
Panel AC Fail		0337	
EZM Tamper		0338	
Alarm Output Superv.		0339	
Ambush		0340	
Panic		0341	
Fire		0342	
Auxiliary *		0343	
Tamper		0344	
Fail to Open		0345	
Fail to Close		0346	
Keyfob Low Battery		0347	

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.

* NOTE: Keypad Aux. is not to be selected for UL Installations.

CS ZONE REPORTING OPTIONS (ADDRESS 0358-0389)

ADDRESS 0358-0365							
CONTROL PANEL ZONES REPORT CODE							
ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
0358	0359	0360	0361	0362	0363	0364	0365
L R	L R	L R	L R	L R	L R	L R	L R

ADDRESS 0366-0369			
ZONES REPORT CODE			
ZONE 9	ZONE 10	ZONE 11	ZONE 12
0366	0367	0368	0369
L R	L R	L R	L R

ADDRESS 0370-0373			
ZONES REPORT CODE			
ZONE 13	ZONE 14	ZONE 15	ZONE 16
0370	0371	0372	0373
L R	L R	L R	L R

Default for Group Zone Report Codes depends on Easy Menu Question "RCVR. FORMAT".

ZONE REPORT CODE OPTIONS	
DATA ENTRIES	
LEFT	RIGHT

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 0366), if the right digit is "3", then the reporting code is "39". For example, for zone 15 (address 0372), 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.

CS AREA & SYSTEM REPORTING OPTIONS (ADDRESS 0391, 0392 & 0394)

AREA	LEFT DATA VALUES (CIRCLE ✏)
AREA 1	1
RESERVED	2
RESERVED	4
RESERVED	8

DISABLE OPENING REPORTS	
ADDRESS 0391	
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT
	blank (•)

[Default = blank (•) blank (•)]

AREA	LEFT DATA VALUES (CIRCLE ✏)
AREA 1	1
RESERVED	2
RESERVED	4
RESERVED	8

DISABLE CLOSING REPORTS	
ADDRESS 0392	
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT
	blank (•)

[Default = blank (•) blank (•)]

CS SYSTEM REPORT OPTIONS	LEFT DATA VALUES (CIRCLE ✏)
Cancel Next Test Timer on any Report	1
Disable Wait for Silence	2
Disable Wait for Handshake	4
Disable Dial Tone Detect	8

ADDRESS 0394	
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)

[Default = blank (•) blank (•)]

RIGHT DATA VALUES (CIRCLE ✏)	CS SYSTEM REPORT OPTIONS
1	Backup Report on Telco 2
2	Touch-tone Dialing Only *
4	Touch-tone Dialing w/Rotary Backup *
8	RESERVED

CS AREA & SYSTEM REPORTING OPTIONS:

☞ 1. Select the desired option by circling ✏ the data values for each digit (left and right).

☞ 2. Add the data values (ex: 15=1+2+4+8) from the selected options.

☞ 3. Enter in address location (left and right digits).

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

* 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 USER REPORTING OPTIONS (ADDRESS 0440-0459)

CS User Reporting Options *(side tab)*

User Opening Telco 1	LEFT DATA VALUES				ADDRESS 0440		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 0441		RIGHT DATA VALUES			
	User 8	User 7	User 6	User 5	LEFT	RIGHT	User 4	User 3	User 2	User 1	User 16	User 15	User 14	User 13	LEFT	RIGHT	User 12	User 11	User 10	User 9
	8	4	2	1			8	4	2	1	8	4	2	1			8	4	2	1

User Opening Telco 1	ADDRESS 0444		RIGHT DATA VALUES			
	LEFT	RIGHT	User 20	User 19	User 18	User 17
	blank (•)		8	4	2	1

User 17 = Auto Arming/Disarming
User 18 = Quickloader Arming/Disarming
User 19 = Easy Arming (Opening not applicable)
User 20 = Keyswitch Arming

NOTE: These opening events will report as the user number shown. Also, Keyfobs 1-8 (see Easy Menu Program Driven Mode) will report as Users 9-16, respectively.

User Closing Telco 1	LEFT DATA VALUES				ADDRESS 0445		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 0446		RIGHT DATA VALUES			
	User 8	User 7	User 6	User 5	LEFT	RIGHT	User 4	User 3	User 2	User 1	User 16	User 15	User 14	User 13	LEFT	RIGHT	User 12	User 11	User 10	User 9
	8	4	2	1			8	4	2	1	8	4	2	1			8	4	2	1

User Closing Telco 1	ADDRESS 0449		RIGHT DATA VALUES			
	LEFT	RIGHT	User 20	User 19	User 18	User 17
	blank (•)		8	4	2	1

User 17 = Auto Arming/Disarming
User 18 = Quickloader Arming/Disarming
User 19 = Easy Arming (Opening not applicable)
User 20 = Keyswitch Arming

NOTE: These opening events will report as the user number shown. Also, Keyfobs 1-8 (see Easy Menu Program Driven Mode) will report as Users 9-16, respectively.

User Opening Telco 3	LEFT DATA VALUES				ADDRESS 0450		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 0451		RIGHT DATA VALUES			
	User 8	User 7	User 6	User 5	LEFT	RIGHT	User 4	User 3	User 2	User 1	User 16	User 15	User 14	User 13	LEFT	RIGHT	User 12	User 11	User 10	User 9
	8	4	2	1			8	4	2	1	8	4	2	1			8	4	2	1

User Opening Telco 3	ADDRESS 0454		RIGHT DATA VALUES			
	LEFT	RIGHT	User 20	User 19	User 18	User 17
	blank (•)		8	4	2	1

User 17 = Auto Arming/Disarming
User 18 = Quickloader Arming/Disarming
User 19 = Easy Arming (Opening not applicable)
User 20 = Keyswitch Arming

NOTE: These opening events will report as the user number shown. Also, Keyfobs 1-8 (see Easy Menu Program Driven Mode) will report as Users 9-16, respectively.

User Closing Telco 3	LEFT DATA VALUES				ADDRESS 0455		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 0456		RIGHT DATA VALUES			
	User 8	User 7	User 6	User 5	LEFT	RIGHT	User 4	User 3	User 2	User 1	User 16	User 15	User 14	User 13	LEFT	RIGHT	User 12	User 11	User 10	User 9
	8	4	2	1			8	4	2	1	8	4	2	1			8	4	2	1

User Closing Telco 3	ADDRESS 0459		RIGHT DATA VALUES			
	LEFT	RIGHT	User 20	User 19	User 18	User 17
	blank (•)		8	4	2	1

User 17 = Auto Arming/Disarming
User 18 = Quickloader Arming/Disarming
User 19 = Easy Arming (Opening not applicable)
User 20 = Keyswitch Arming

NOTE: These opening events will report as the user number shown. Also, Keyfobs 1-8 (see Easy Menu Program Driven Mode) will report as Users 9-16, respectively.

CS USER REPORTING OPTIONS: [Default = blank (•) blank (•) from address 0440-0459]

☞ 1. Select the desired option by circling ✐ the data values for each digit (left and right).

☞ 2. Add the data values (ex: 15=1+2+4+8) from the selected options.

☞ 3. Enter in address location (left and right digits). **NOTE:** Dark shaded data value box shows option not available.

EZM GROUP OPTIONS (ADDRESS 0737 & 0738)

EZM Group 1	
ADDRESS 0737	
LEFT	**RIGHT**
blank (•)	

EZM Group 2	
ADDRESS 0738	
LEFT	**RIGHT**
blank (•)	

Default depends on Easy Menu Question "⌗ OF ZNS IN AREA 1 ENTER ⌗ ZONES". For example, If 16 zones are used, then both groups will be automatically enabled.

EZM TYPE	
DATA ENTRIES	**OPTION**
RIGHT	
blank (•)	Not used (No EZM present)
1	4-Zone EZM

EZM TYPE	ZONES COVERED
	NORMAL
1	9-12
2	13-16

☞ **EZM GROUP OPTIONS:** Up to 2 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 in corresponding address locations above (right digit only).

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

EZM Group Options

AREA BELL CONTROL OPTIONS (ADDRESS 0745-0747 & 0749)

Area Bell Control Options

Burglary Output Turns Off upon Disarm	
ADDRESS 0745	
LEFT DIGIT (SUM OF DATA VALUES)	**RIGHT DIGIT (SUM OF DATA VALUES)**
blank (•)	

[Default = blank (•) blank (•)]

RIGHT DATA VALUES (CIRCLE ✎)	Option
1	**Burg Output Silenced**
2	**RESERVED**
4	**RESERVED**
8	**RESERVED**

Pulsed Burg Output Turns Off upon Disarm	
ADDRESS 0746	
LEFT DIGIT (SUM OF DATA VALUES)	**RIGHT DIGIT (SUM OF DATA VALUES)**
blank (•)	

[Default = blank (•) blank (•)]

RIGHT DATA VALUES (CIRCLE ✎)	Option
1	**Pulsed Burg Output Silenced**
2	**RESERVED**
4	**RESERVED**
8	**RESERVED**

PGM1 Output Turns Off upon Disarm	
ADDRESS 0747	
LEFT DIGIT (SUM OF DATA VALUES)	**RIGHT DIGIT (SUM OF DATA VALUES)**
blank (•)	

[Default = blank (•) blank (•)]

RIGHT DATA VALUES (CIRCLE ✎)	Option
1	**PGM1 Output Silenced**
2	**RESERVED**
4	**RESERVED**
8	**RESERVED**

PGM2 Output Turns Off upon Disarm	
ADDRESS 0749	
LEFT DIGIT (SUM OF DATA VALUES)	**RIGHT DIGIT (SUM OF DATA VALUES)**
blank (•)	

[Default = blank (•) blank (•)]

RIGHT DATA VALUES (CIRCLE ✎)	Option
1	**PGM2 Output Silenced**
2	**RESERVED**
4	**RESERVED**
8	**RESERVED**

OUTPUT TURNS OFF UPON DISARM: Select options for any of the 4 Outputs.

☞ 1. Select the desired option by circling ✎ the data values for right digit only (left is not used).

☞ 2. Add the data values (ex: 15=1+2+4+8) from the selected options.

☞ 3. Enter in right digit address location. **NOTE:** Dark shaded data value box shows option not available.

KEYPAD OPTIONS (ADDRESS 0723-0736)

Keypad 1 Type	ADDRESS 0723	
	LEFT	RIGHT

[Default = blank (•) 1]

Keypad 2 Type	ADDRESS 0724	
	LEFT	RIGHT

[Default = blank (•) blank (•)]

Keypad 3 Type	ADDRESS 0725	
	LEFT	RIGHT

[Default = blank (•) blank (•)]

Keypad 4 Type	ADDRESS 0726	
	LEFT	RIGHT

[Default = blank (•) blank (•)]

Keypad 5 Type	ADDRESS 0727	
	LEFT	RIGHT

[Default = blank (•) blank (•)]

Keypad 6 Type	ADDRESS 0728	
	LEFT	RIGHT

[Default = blank (•) blank (•)]

Keypad 7 Type	ADDRESS 0729	
	LEFT	RIGHT

[Default = blank (•) blank (•)]

KEYPAD TYPE	
LEFT	OPTION
blank (•)	Burg Keypad
2	Wizard Keypad *

* **NOTE:** Not for UL

KEYPAD ASSIGNMENT	
RIGHT	OPTION
blank (•)	Disabled
1	Active Keypad

KEYPAD TYPE: Up to 7 keypads may be programmed, if they are connected.
NOTE: See Keypad Configuration Mode. By default from the factory, each keypad is configured as number 1.
☞ 1. Select keypad type for each keypad from the tables shown.
☞ 2. Enter in corresponding right and left digit address locations above.

KEYPAD NO.	KEYPAD OPTIONS LEFT DATA VALUES (CIRCLE ✐)				ADDRESS 0730-0736			KEYPAD OPTIONS RIGHT DATA VALUES (CIRCLE ✐)			
	RSRVD	PANEL ACCESS	EASY ARMING	AMBUSH	LEFT	ADDR	RIGHT	RSRVD	KEYPAD PANIC	KEYPAD AUX. *	KEYPAD FIRE
1	8	4	2	1		0730		8	4	2	1
2	8	4	2	1		0731		8	4	2	1
3	8	4	2	1		0732		8	4	2	1
4	8	4	2	1		0733		8	4	2	1
5	8	4	2	1		0734		8	4	2	1
6	8	4	2	1		0735		8	4	2	1
7	8	4	2	1		0736		8	4	2	1

[Default = blank (•) blank (•) from address 0730-0736]

* NOTE: Keypad Aux. is not to be selected for UL Installations.

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

☞ 1. Select the desired option by circling ✐ the data values for each digit (left and right).

☞ 2. Add the data values (ex: 15=1+2+4+8) from the selected options.

☞ 3. Enter in address location (left and right digits). **NOTE:** Dark shaded data value box shows option not available.

Keypad Options

ZONE OPTIONS - ZONES 1 TO 16 (ADDRESS 0490-0595)

Zone Options / Zones 1-16

	ZONE OPTIONS	ZONES 13-16 LEFT DATA VALUES (CIRCLE ✎) ZN16 ZN15 ZN14 ZN13	L	ADDR 0546-0595	R	ZONES 9-12 RIGHT DATA VALUES (CIRCLE ✎) ZN12 ZN11 ZN10 ZN9	ZONES 5-8 LEFT DATA VALUES (CIRCLE ✎) ZN8 ZN7 ZN6 ZN5	L	ADDR 0490-0540	R	ZONES 1-4 RIGHT DATA VALUES (CIRCLE ✎) ZN4 ZN3 ZN2 ZN1
	50ms Loop Response (A)	8 4 2 1	(•)		(•)	8 4 2 1	8 4 2 1		0490		8 4 2 1
✔	Priority	8 4 2 1		0546		8 4 2 1	8 4 2 1		0491		8 4 2 1
	Priority with Bypass	8 4 2 1		0547		8 4 2 1	8 4 2 1		0492		8 4 2 1
	Auto-Bypass	8 4 2 1		0548		8 4 2 1	8 4 2 1		0493		8 4 2 1
✔	Selective Bypass	8 4 2 1		0549		8 4 2 1	8 4 2 1		0494		8 4 2 1
	Keyswitch Arming	8 4 2 1		0550		8 4 2 1	8 4 2 1		0495		8 4 2 1
	Auto-Bypass Re-entry	8 4 2 1		0551		8 4 2 1	8 4 2 1		0496		8 4 2 1
	Pre-Alarm Warning	8 4 2 1		0552		8 4 2 1	8 4 2 1		0497		8 4 2 1
	Never Arm	8 4 2 1		0553		8 4 2 1	8 4 2 1		0498		8 4 2 1
	24-Hour Zone	8 4 2 1		0554		8 4 2 1	8 4 2 1		0499		8 4 2 1
✔	Alarm Output	8 4 2 1		0555		8 4 2 1	8 4 2 1		0500		8 4 2 1
✔	Pulsed Alarm Output	8 4 2 1		0556		8 4 2 1	8 4 2 1		0501		8 4 2 1
	PGM1 Output	8 4 2 1		0557		8 4 2 1	8 4 2 1		0502		8 4 2 1
	PGM2 Output	8 4 2 1		0558		8 4 2 1	8 4 2 1		0503		8 4 2 1
✔	Entry/Exit 1	8 4 2 1		0559		8 4 2 1	8 4 2 1		0504		8 4 2 1
	Entry/Exit 2	8 4 2 1		0560		8 4 2 1	8 4 2 1		0505		8 4 2 1
✔	Exit/Entry Follower	8 4 2 1		0561		8 4 2 1	8 4 2 1		0506		8 4 2 1
✔	Auto Reset	8 4 2 1		0562		8 4 2 1	8 4 2 1		0507		8 4 2 1
✔	Swinger Shutdown	8 4 2 1		0563		8 4 2 1	8 4 2 1		0508		8 4 2 1
✔	Chime	8 4 2 1		0564		8 4 2 1	8 4 2 1		0509		8 4 2 1
	Abort Delay	8 4 2 1		0565		8 4 2 1	8 4 2 1		0510		8 4 2 1
	Power-up Delay	8 4 2 1		0566		8 4 2 1	8 4 2 1		0511		8 4 2 1
	Day Zone Open	8 4 2 1		0567		8 4 2 1	8 4 2 1		0512		8 4 2 1
	Day Zone Short	8 4 2 1		0568		8 4 2 1	8 4 2 1		0513		8 4 2 1
	Alarm on Day Zone	8 4 2 1		0569		8 4 2 1	8 4 2 1		0514		8 4 2 1
✔	Alarm Telco 1	8 4 2 1		0570		8 4 2 1	8 4 2 1		0515		8 4 2 1
	Alarm Restore 1	8 4 2 1		0571		8 4 2 1	8 4 2 1		0516		8 4 2 1
	Trouble Telco 1	8 4 2 1		0572		8 4 2 1	8 4 2 1		0517		8 4 2 1
	Trouble Restore 1	8 4 2 1		0573		8 4 2 1	8 4 2 1		0518		8 4 2 1
	Alarm Telco 3	8 4 2 1		0574		8 4 2 1	8 4 2 1		0519		8 4 2 1
	Alarm Restore 3	8 4 2 1		0575		8 4 2 1	8 4 2 1		0520		8 4 2 1
	Trouble Telco 3	8 4 2 1		0576		8 4 2 1	8 4 2 1		0521		8 4 2 1
	Trouble Restore 3	8 4 2 1		0577		8 4 2 1	8 4 2 1		0522		8 4 2 1
	No EOL Resistor	8 4 2 1		0578		8 4 2 1	8 4 2 1		0523		8 4 2 1
	Trouble on Open	8 4 2 1		0579		8 4 2 1	8 4 2 1		0524		8 4 2 1
	Trouble on Short	8 4 2 1		0580		8 4 2 1	8 4 2 1		0525		8 4 2 1
✔	Zone Area 1	8 4 2 1		0581		8 4 2 1	8 4 2 1		0526		8 4 2 1
	RESERVED	8 4 2 1	(•)	0583	(•)	8 4 2 1	8 4 2 1	(•)	0528	(•)	8 4 2 1
	Keypad Sounder on Alarm	8 4 2 1		0584		8 4 2 1	8 4 2 1		0529		8 4 2 1
✔	2-Wire Smoke Detectors (B)	8 4 2 1	(•)	0585	(•)	8 4 2 1	8 4 2 1		0530	(•)	8 4 2 1
✔	Fire (C)	8 4 2 1		0586		8 4 2 1	8 4 2 1		0531		8 4 2 1
	Fire Alarm Verification (C)	8 4 2 1		0587		8 4 2 1	8 4 2 1		0532		8 4 2 1
	RESERVED	8 4 2 1	(•)	0588	(•)	8 4 2 1	8 4 2 1	(•)	0533	(•)	8 4 2 1
	Sensor Watch	8 4 2 1		0593		8 4 2 1	8 4 2 1		0538		8 4 2 1
	RESERVED	8 4 2 1	(•)	0594	(•)	8 4 2 1	8 4 2 1	(•)	0539	(•)	8 4 2 1
	Chime 2	8 4 2 1		0595		8 4 2 1	8 4 2 1		0540		8 4 2 1

☞ 1   ☞ 2   ☞ 4   ☞ 4   ☞ 2   ☞ 2   ☞ 4   ☞ 4   ☞ 2

☞ 1. **Select** the desired zone option.

ZONE OPTIONS	
50ms Loop Response	☜
Priority	
Priority with Bypass	
Auto-Bypass	
Selective Bypass	

☞ 2. **Enable** desired options for each zone by drawing a circle ✎ around its corresponding binary data value.

NOTE: No circle = feature disabled.

ZN04	ZN03	ZN02	ZN01	
8	4	2	①	Draw Circle

☞ 3. **Search table** below for data entry.

DIGIT VALUE	DATA ENTRY	DIGIT VALUE	DATA ENTRY
8 4 2 1	Blank (•)	⑧ 4 2 1	8
8 4 2 ①	1	⑧ 4 2 ①	9
8 4 ② 1	2	⑧ 4 ② 1	0
8 4 ② ①	3	⑧ 4 ② ①	B
8 ④ 2 1	4	⑧ ④ 2 1	C
8 ④ 2 ①	5	⑧ ④ 2 ①	D
8 ④ ② 1	6	⑧ ④ ② 1	E
8 ④ ② ①	7	⑧ ④ ② ①	F

☞ 4. **Enter data** in address locations (left and right digits).

ADDRESS LOCATION		
L	ADDR	R
blank (•)	0490	1

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

NOTE: See Direct Address Programming Example on page 22.

NOTES: (A) 50ms Loop Response only available for zones 1-8.
             (B) 2-wire Smoke Detectors only available for zones 7 & 8.
             (C) If Fire Alarm Verification is selected, then Fire must also be selected.

> (Address Location 0530 can only be programmed as "blank (•) blank (•)", "4 blank (•)", "8 blank (•)" or "C blank (•)".

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

Zone Options / Zones 1-16

RF RECEIVER & SUPERVISORY TIMER OPTIONS (ADDRESS 1038-1053 & 1180)

Number of RF Receivers	ADDRESS 1180	
	LEFT	RIGHT
	blank (•)	

Default for Number of Receivers depends on Easy Menu Question for RF Transmitters.

DATA ENTRIES	RF Receiver(s)
RIGHT	
blank (•)	None
1	1
2	2

RF RECEIVERS: Up to 2 RF Receivers may be programmed. **NOTE:** This adds wireless capability to the system, increasing up to 16 the number of zones.

☞ 1. Select the number of receivers from the table shown.

☞ 2. Enter in corresponding right digit address location shown (left digit is not used).

RF SUPERVISORY TIMER	RF TRANSMITTER	ADDRESS 1038-1045		
		LEFT	ADDR	RIGHT
Type 0	Window/Door, 2 Pt.	blank (•)	1038	
Type 1	Window/Door, 2 Pt.	blank (•)	1039	
Type 2	Window/Door, 2 Pt.	blank (•)	1040	
Type 3	Window/Door, 2 Pt.	blank (•)	1041	
Type 4	Window/Door, 4 Pt.	blank (•)	1042	
Type 5	PIR	blank (•)	1043	
Type 6	PIR	blank (•)	1044	
Type 7	Smoke Detector	blank (•)	1045	

[Default = blank (•) blank (•) from address 1038-1045]

RF SUPERVISORY TIMER	RF TRANSMITTER	ADDRESS 1046-1053		
		LEFT	ADDR	RIGHT
Type 8	Smoke Detector	blank (•)	1046	
Type 9	Keyfob	blank (•)	1047	blank (•)
Type A	Dual Tech.	blank (•)	1048	
Type B	Keyfob	blank (•)	1049	blank (•)
Type C	Window/Door, 4 Pt.	blank (•)	1050	
Type D	PIR	blank (•)	1051	
Type E	Smoke Detector	blank (•)	1052	
Type F	Napco Glass Break	blank (•)	1053	

[Default = blank (•) blank (•) from address 1046-1053]

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

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/E04-NN SERVICE" will be displayed at the keypad.

☞ 1. Select timer delay from the table shown. Timers are programmed in increments of 30 minutes each. Valid entries are [blank (•)3]-[blank (•)F], 90 minutes-450 minutes.

☞ 2. Enter in corresponding address locations above right digit only (left digit is not used).

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

Sidebar: RF Receiver & Supervisory Timer Options

NAPCO Security Systems

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CLEAR PROGRAM OPTIONS (ADDRESS 1197 & 1198)

1197 XX

GEM-RP1CAe2 Keypad

1197XX

GEM-RP2ASe2 Keypad

1198 XX

GEM-RP1CAe2 Keypad

1198XX

GEM-RP2ASe2 Keypad

Clear Dealer Program (Erases Dealer Program)

WARNING 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 1197, then press the ⊞ button. Data entry is not allowed.
NOTE: Enter Easy Menu Driven Program Mode to program system again.

Cold Start (Erases Entire Program)

WARNING 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 1198, then press the ⊞ button. Data entry is not allowed.
NOTE: Some features (schedules) can only be programmed again with the Downloading Software.

USER PROGRAM MODE
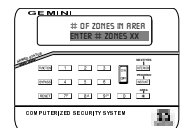
PRELIMINARY INFORMATION

The User Program Mode is covered in detail in the operating instructions for the keypad in use.

☞ Only Keypad #1 may be used for programming, however this keypad may be located in any area.

☞ The Program Mode cannot be accessed while the communicator is transmitting except during the first three minutes after power-up.

☞ After entering codes or data, press the save ⊞ button. Data will not be stored into memory unless this button is pressed.

☞ If the keypad is in the Program Mode and no activity is detected for longer than 4 minutes, a steady tone will sound. Press the RESET button to silence the sounder and exit the User Program Mode.

NOTE: For ease of programming, it is recommended that a GEM-RP1CAe2 be used as Keypad #1. (A new GEM-RP1CAe2 is automatically configured as Keypad #1.) See Keypad Configuration Mode.

If a GEM-RP2ASe2 keypad is used, configure address jumpers as Keypad #1 (see the section of this manual Configuring the GEM-RP2ASe2 Keypad). Use the FUNCTION button to manually scroll the display at the end of each programming line.

ACCESSING USER PROGRAM MODE

1. Press [ ] [ ] [ ] [ ] [ ] [ ] [FUNCTION]

New Panel (Default User Code = 123)
Existing Panel (Any Code with User Program Option Enabled)

2. Press [INSTANT] **Until** "ACTIVATE PROGRAM Y/N" **(GEM-RP1CAe2) or**
"TURNON PROG Y/N" **(GEM-RP2ASe2)**
appears on LCD screen.

3. Press [INTERIOR] **To Enter User Program Mode**

4. Press [RESET] **To Exit User Program Mode when finished**

USER CODES

```
ENTER USER CODE
U01 123___ - __ - __
```

GEM-RP1CAe2 Keypad (Direct Entry)
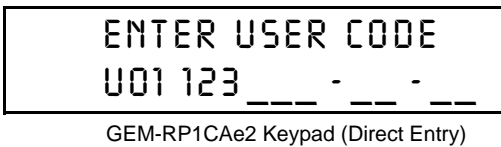
Up to 16 User Codes may be programmed.
NOTE: In this mode, only the code is pro-
grammable; the accompanying Area Options
must be programmed in the Dealer Program
Mode (see page 8).

☞ Use the [FUNCTION] button to place the cursor
over the User Number.

☞ Enter a User Number (01–16) using the
number buttons. The cursor will then
advance to the User Code and read the
existing code, if any.

To Program User Codes

1. Set Cursor Position using the [FUNCTION] button.
2. Enter 2-digit User Number (01-16) directly using number buttons (0-9).
3. Enter Code (1-6 digits) directly using number buttons (0-9).
4. Press the [ON/OFF] button to save each code.

NOTE: Press [✱] [0] button to clear character at cursor.
To continue press [INTERIOR] or [INSTANT] button.

Programming User Codes with GEM-RP1CAe2 Keypad

☞ Enter the new User Code using the number buttons (0-9). If an old code is displayed, program over it. To erase the digit at the
cursor, press [✱] [0] button.

☞ Press the [ON/OFF] button to save the code in memory.

☞ Repeat this procedure for each user. To proceed to Zone-Description programming, press the NEXT ([INTERIOR]) button or the
PRIOR ([INSTANT]) button.

```
USER01
```

GEM-RP2ASe2 Keypad

```
123___
```

(Direct Entry)
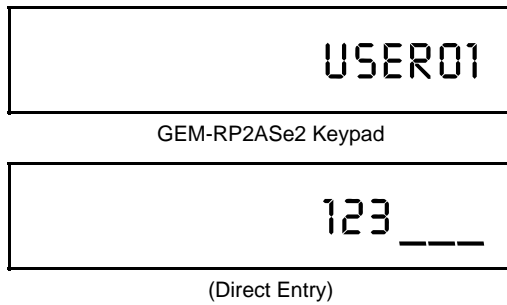
To Program User Codes

1. Enter 2-digit User Number (01-16) directly using number buttons (0-9).
2. Press the FUNCTION button.
3. Enter Code (1-6 digits) directly using number buttons (0-9).
4. Press the ON/OFF button to save each code.

```
GEMINI
                              User01
ARMED STATUS
  FUNCTION   1   2   3        ON          NEXT/YES
                              /OFF        INTERIOR
  CURSOR                      SAVE        PRIOR/NO
  BYPASS     4   5   6                    INSTANT
  RESET      7F  8A  9P   0       *       AREA
  EXIT                    CLEAR   READ
COMPUTERIZED SECURITY SYSTEM              NAPCO
```

NOTE: Press ✳ 0 button to clear character at cursor.
To continue press INTERIOR or INSTANT button.

Programming User Codes with GEM-RP2ASe2 Keypad

ZONE DESCRIPTIONS (GEM-RP1CAE2 KEYPADS ONLY)

```
01-_____
_____
```
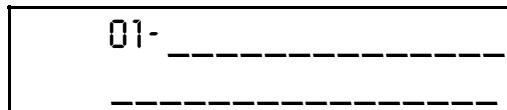
Enter an identifying description for each zone. Buttons 1 and 2 set the cursor position; buttons 3 and 6 scroll numbers, letters, punctuation marks, etc.

☞ Position the cursor over the displayed Zone Number (i.e., "01") using buttons 1 and 2.

☞ Change the Zone Number using buttons 3 and 6.

☞ Position the cursor over the first character of the description field. Advancing the cursor between characters, program a description of up to two lines for the new zone using buttons 3 and 6.

To Program Zone Descriptions

1. Set the Cursor Position using buttons 1 and 2.
2. Select characters for zone description using buttons 3 and 6.
4. Press the ON/OFF button to save each descriptor.

```
GEMINI
                O1_____
                _____
ARMED STATUS
  FUNCTION   1       2       3    ON          NEXT/YES
            <-CURSOR CURSOR-> DATA↑  /OFF      INTERIOR
  BYPASS     4       5       6              PRIOR/NO
                            DATA↓   SAVE    INSTANT
  RESET      7F      8A      9P   0     *    AREA
  EXIT                           CLEAR  READ
COMPUTERIZED SECURITY SYSTEM               NAPCO
```

NOTE: Press ✳ 0 button to clear character at cursor.
To continue press INTERIOR or INSTANT button.

Programming Zone Descriptions

Press the ON/OFF button to save. Advance to the next zone as in Steps 1 and 2 above and repeat this procedure until all zones have been programmed. After programming the user codes, press the NEXT (INTERIOR) button to proceed.

```
ENTER DATE
(01/01/99)
```

(Direct Entry)

Enter Date *(Press the (FUNCTION) button to set cursor.)*
Enter the current date in the format MM/DD/YY, where MM = the month (01–12); DD=the day (01–31); and YY=the year. Press ON/OFF to save. Press NEXT (INTERIOR) button to proceed.

```
ENTER TIME
(12:05A)
```

(Direct Entry)

Enter Time *(Press the (FUNCTION) button to set cursor.)*
Enter the current time in the format HH:MMA/P, where HH=hours (01–12); MM=minutes (00–59). Select Am or Pm by pressing any number button, then press ON/OFF once again to save.

NOTE: To enter the date and time, GEM-RP1CAe2 keypad (version 6 or greater) must be used and "Enable New-Line Keypads" (Address 1060) must be enabled.

KEYPAD CONFIGURATION MODE
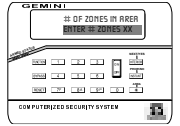
This section will focus on configuring the GEM-RP1CAe2 and GEM-RP2ASe2 Keypads. If there is more than one keypad in the system, *only Keypad No. 1 may be used for programming.*

KEYPAD INSTALLATION

Two types of keypads may be used with the GEM-816: the GEM-RP1CAe2 and the GEM-RP2ASe2. Each must be assigned an address number (1–7) and each requires its own configuration procedure (see CONFIGURING THE KEYPADS, which follows, and DIRECT ADDRESS KEYPAD AREA OPTIONS). At least 1 keypad must be used; only 1 is required for a single-area Commercial Burglary installation.

GEM-RP1CAe2 - is a 2-line combination fire/burglary/access keypad capable of supporting 4 EZM zones and a PGM output. A GEM-RP1CAe2 is recommended for use as Keypad #1.

GEM-RP2ASe2 - is a utility LCD keypad combining several preset LCD words with a limited message line. **NOTE:** Due to space constraints, available messages are abbreviated and will scroll automatically.

CONFIGURING THE KEYPADS

A total of up to 7 keypads may be connected to the panel. GEM-RP1CAe2 and GEM-RP2ASe2 keypads may be intermixed but require different configuration procedures, as described in the following paragraphs.

Configuring the GEM-RP1CAe2 Keypad

Each GEM-RP1CAe2 keypad must be configured for (a) keypad tactile beep; (b) entry sounder; (c) keypad address; (d) compatibility number; (e) EZM address; and (f) zone response.

To enter the GEM-RP1CAe2 Configuration Mode:

1. Move jumper JP1 (located at the upper-right corner of the control panel board) from Pins 1-2 (top two) to Pins 2-3 (bottom two). **NOTE:** See Wiring Diagram.
2. After about 15 seconds, the display will read "XX OUT OF SYSTEM", where XX indicates the keypad address.
3. Press ⌷1⌷ ⌷1⌷ ⌷1⌷ ⌷2⌷ ⌷3⌷ FUNCTION and proceed as follows. (Repeat the following procedure for all keypads.)

NORMAL

KEYPAD CONFIGURE
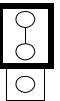
KEYPAD BEEP ON

Keypad Tactile Beep

Upon entering the Keypad Configuration Mode, "KEYPAD BEEP ON" will be displayed, indicating that the tactile beep, which sounds when any button is pressed, is on. To turn off the tactile beep, press the [ON/OFF] button (the [ON/OFF] button will toggle the tactile beep on and off).

Press the FUNCTION button to continue or press the RESET button to exit.

ENTRY SOUNDER ON

Entry Sounder

To turn off the keypad sounder during entry time, press the [ON/OFF] button (the [ON/OFF] button will toggle the tactile beep on and off). Press the FUNCTION button to continue or press the RESET button to exit.

KEYPAD ADDRESS 01

Keypad Address

If more than one keypad is installed, each must be assigned a unique keypad address (that is, no two keypads may be numbered alike):

☞ keypads must be numbered consecutively (missing numbers are not permitted)

☞ only Keypad No. 1 may be used for programming.

To assign the keypad number, proceed as follows:

1. Enter the assigned keypad number 01–07, then press the [ON/OFF] button to save. A valid number will be acknowledged by a short beep; an invalid number will be rejected by a long beep.

2. Press the FUNCTION button to continue or press the RESET button to exit.

```
NEW COMPAT# 0000
```

Compatibility Number (Not Applicable)
THIS FEATURE IS NOT COMPATIBLE WITH THE GEM-P816 CONTROL
PANEL.

Press the FUNCTION button to continue or press the RESET button to exit.

```
EZM ADDRESS 01
```

EZM Address
The keypad'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 keypad EZMs, it must be
assigned a unique address (or Group number, see Keypad Programming

Workbook) similar to its keypad address. If no other EZMs are to be used, designate the keypad as Group "01" at the
"EZM ADDRESS 00" display. In multiple-EZM systems, enter an assigned group number "01" through "06". (Each EZM
must have a unique assigned group number, starting with "01" and proceeding consecutively.) Press the FUNCTION button
to continue or press the RESET button to exit.

```
ZONE RESPONSE 00
```

Zone Response
The normal loop response of each keypad expansion zone is 750mS, how-
ever 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 keypad, enter the sum as a two-digit number "01" through "15" on the display, then press the ON/OFF button.

Example. Change Zones 2, 3 and 4 to 50mS response.
1. Circle numbers for Zones 2, 3 and 4: (2), (4) and (8).
2. Add up the circled numbers: 2 + 4 + 8 = 14.
3. Enter "14" at the keypad, then press the ON/OFF button.

Press the FUNCTION button to continue or press the RESET button to exit.

```
PROG CTRL MSG# 1
```

Program Control Message (Not Applicable)
THIS FEATURE IS NOT COMPATIBLE WITH THE GEM-P816 CONTROL
PANEL.

Press the FUNCTION button to continue (the display will loop back through selections, for changes) or press the RESET button
to exit the Keypad Configuration Mode (display will read "01 OUT OF SYSTEM"). Then replace Jumper JP1 across Pins 1–2
(top two).

Keypad Configuration Mode: Configuring the Keypads

Configuring the GEM-RP2ASe2 Keypad

Up to 7 GEM-RP2ASe2 keypads may be connected to the panel (Keypads 1–7). Each must be configured for a keypad address. In addition, the keypad may be configured to disable (a) touch pad back light; (b) LCD back light; and (c) entry sounder. Keypads are configured by the proper selection of jumpers. Refer to the label on the circuit board fishpaper (LA1390) for jumper locations and a summary of settings.

KEYPAD NUMBER	KEYPAD NUMBER			
	1	2	3	PARK
1	OFF or ON*	OFF	OFF	
2	OFF	ON	OFF	
3	ON	ON	OFF	STORE SPARE JUMPER AT THIS POSITION
4	OFF	OFF	ON	
5	ON	OFF	ON	
6	OFF	ON	ON	
7	ON	ON	ON	

KEYPAD ADDRESS

If more than one keypad is installed:

☞ Each must be assigned a unique address (that is, no two keypads may be numbered alike).

☞ Keypads must be addressed consecutively (that is, missing numbers are not permitted).

☞ Only Keypad No. 1 may be used for programming. (However, for ease of programming, it is recommended that a GEM-RP1CAe2 be selected as Keypad #1.)

Assign the keypad address number by selecting Jumpers J1–3 in accordance with the table at left.

*Note: (1) Keypads are factory supplied with no jumpers installed and a as such are automatically configured as Keypad No. 1. (2) Only one keypad in the system may be configured as Keypad No. 1, otherwise none will function.

TOUCH PAD BACK LIGHT

Cut Jumper A to disable touch pad backlighting to conserve 11mA standby current.

LCD BACK LIGHT

Cut Jumper B to disable LCD backlighting.

KEYPAD SOUNDER

Cut Jumper C to disable the sounder. (Do not disable in UL applications.)

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333 Bayview Avenue, Amityville, New York 11701
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For direct line to Technical Service, call toll free: (800) 645-9440
Internet: http://www.napcosecurity.com

EASY MENU PROGRAMMING WORKSHEET - 1 OF 3

Name:	Address:
Account Number:	Installer:

# of Zones: (1-16) = ☐☐   ***# of Keypads:*** (1-8) = ☐

Enter Fire Zones (1-16): _____   ***2-Wire Fire Zones?:*** Zone 7   Yes ☐ No ☐   Zone 8   Yes ☐ No ☐

Enter Entry/Exit Zones (1-16): _____   ***Enter Interior Zones (1-16):*** _____

Report all Zones to Central?: Yes ☐   No ☐

Central Station Receiver 1 Telephone Number: ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

Central Station Receiver 1 Account Number: ☐☐☐☐

Central Station Receiver 1 Format:

☐ **blank (•) = Ademco Slow, Silent Knight Slow**   ☐ **5 = Universal High Speed**

☐ **2 = Radionics Fast**   ☐ **B = SIA**

☐ **3 = Silent Knight Fast**   ☐ **C = Ademco Point ID**

☐ **4 = Radionics, DCI, Franklin Slow**   ☐ **E = Pager**

User Codes:

USER #	CODE (up to 6 digits)						OPTIONS	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Easy Menu Programming Worksheets - 1 of 3

EASY MENU PROGRAMMING WORKSHEET - 2 OF 3

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									

Key Fob Transmitters:

KEY FOB #	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 3

Zone Descriptions (GEM-RP1CAe2 Keypads Only):

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																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													
13																													
14																													
15																													
16																													

Characters Available for Zone Descriptions

\# ^ * ( ) + ! ¦ , . < > ?

1 2 3 4 5 6 7 8 9 0

a b c e d 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 Z

Dealer Code: ☐ ☐ ☐ ☐ ☐ ☐

Easy Menu Programming Worksheets - 3 of 3

KEYPAD PROGRAMMING MODES

Note:

☞ 1. Functions that are not active, not programmed and/or not applicable to user's area option will be suppressed and will not display.

☞ 2. Due to space constraints, GEM-RP2AS/RP2ASe/RP2ASe2 messages are abbreviated.

☞ 3. Many functions will not be displayed (such as: "DISPLAY ZN FAULTS"). It will require a faulted zone to display or the required condition to be present.

FUNCTION MODE

Scroll Down	FUNCTION	1	2	3	ON OFF	NEXT/YES INTERIOR	Yes
Scroll Up	BYPASS	4	5	6		PRIOR/NO INSTANT	No
Exit	RESET	7F	8A	9P	0	AREA ✱	

FUNCTION MODE

Press FUNCTION button

Repeat

CONDITION	DISARMED	ARMED	KEYPAD MESSAGE
If Zone Faults? *	Y	N/A	DISPLAY ZN FAULTS
If Zone Bypasses?	Y	Y	DISPLAY ZN BYPASSED
Always *	Y	Y	DISPLAY ZN DIRECTORY
If Fire Alarm?	Y	Y	DISPLAY FIRE ALARM
If Fire Trouble?	Y	Y	DISPLAY FIRE TROUBLE
Always	Y	N/A	ACTIVATE/DEACTIVE CHIME
If Sensor Watch / If System Trouble?	Y	Y	RESET SYSTEM TRBL
Always	N/A	N/A	ACTIVATE FAULT FIND
After Test Timer	Y	Y	ACTIVATE DIALER TEST
Always	Y	N/A	TO ARM IN 1-4HRS/PRESS 1-4
If Auto Arm?	Y **	N/A	TO DELAY AUTO ARM/PRESS 1-4
Always	Y	N/A	ACTIVATE PROGRAM
Always	Y	Y	ACTIVATE DOWNLOAD

NOTE: * GEM-RP1CAe2 keypad (version 5 or greater) must be used. N/A means Not Available.
** Displayed, but not allowed in Function Mode.

Repeat

Press RESET button to Exit at any time

Keypad Programming Modes: Function Mode

DEALER MODE

Scroll Down	FUNCTION 1 2 3	ON OFF	NEXT/YES INTERIOR	Yes
Scroll Up	BYPASS 4 5 6		PRIOR/NO INSTANT	No
Exit	RESET 7F 8A 9P 0		AREA ✳	
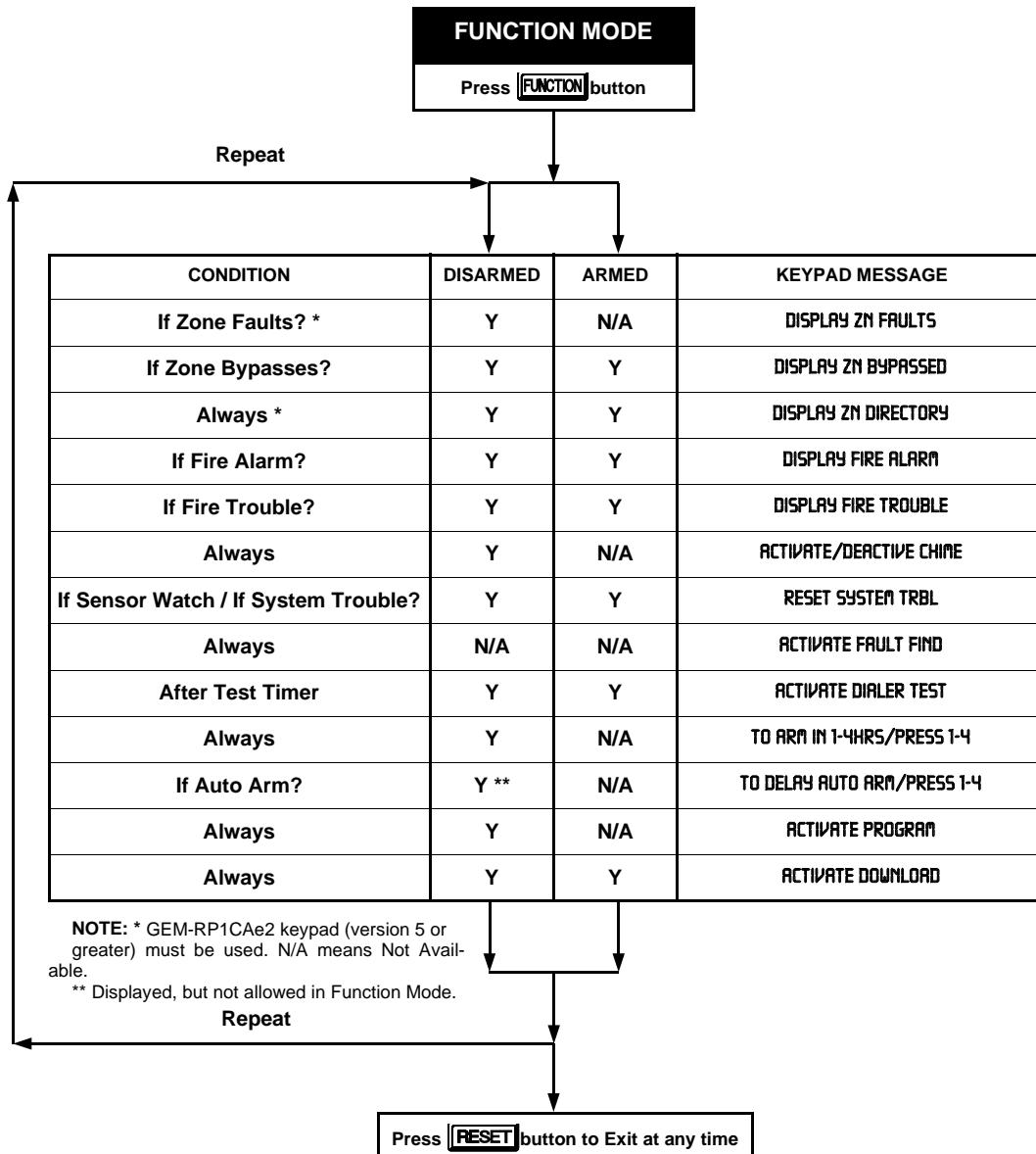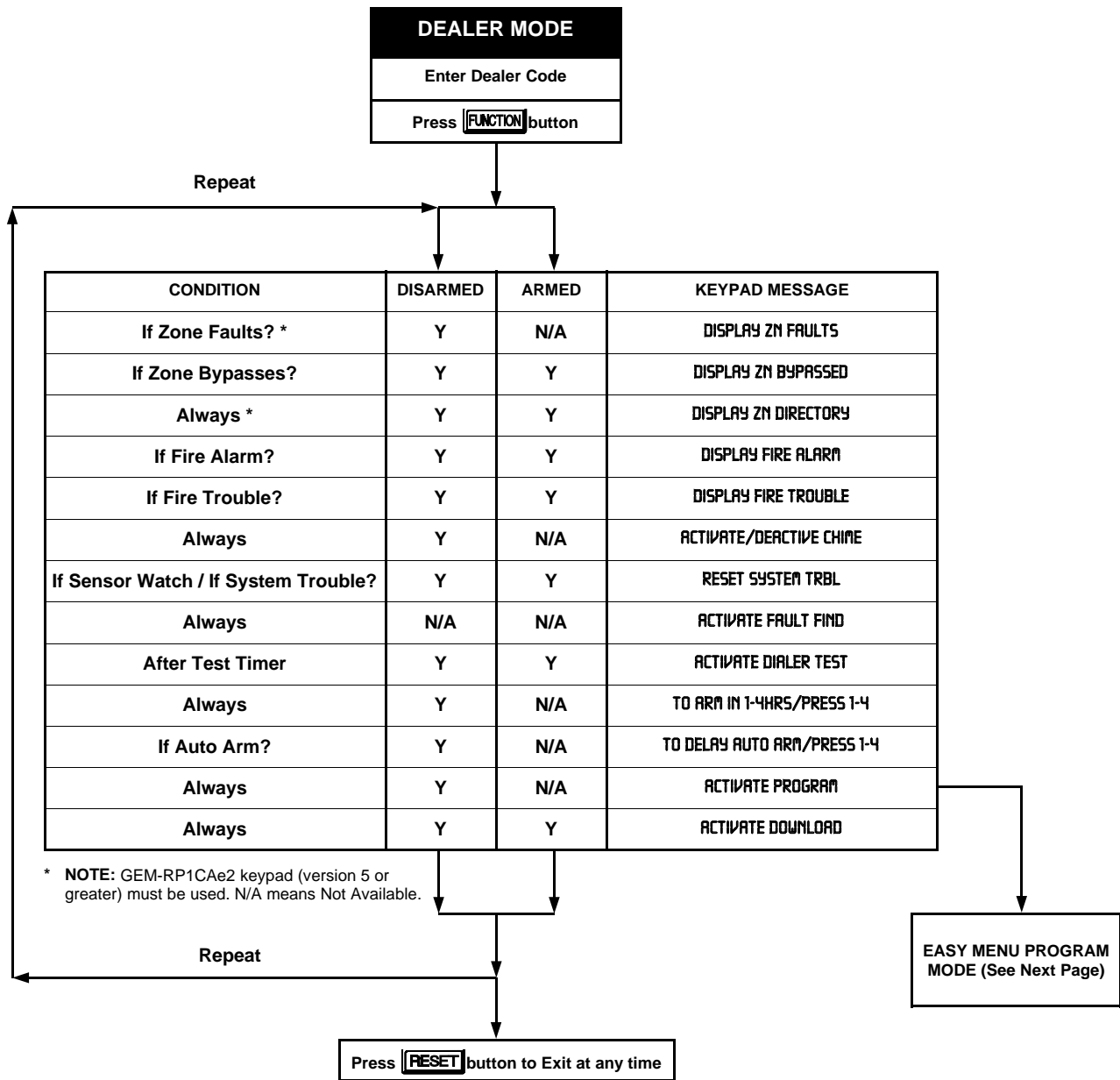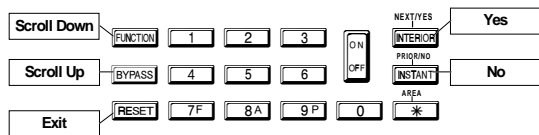
Keypad Programming Modes: Dealer Mode

DEALER MODE

Enter Dealer Code

Press FUNCTION button

Repeat

CONDITION	DISARMED	ARMED	KEYPAD MESSAGE
If Zone Faults? *	Y	N/A	DISPLAY ZN FAULTS
If Zone Bypasses?	Y	Y	DISPLAY ZN BYPASSED
Always *	Y	Y	DISPLAY ZN DIRECTORY
If Fire Alarm?	Y	Y	DISPLAY FIRE ALARM
If Fire Trouble?	Y	Y	DISPLAY FIRE TROUBLE
Always	Y	N/A	ACTIVATE/DEACTIVE CHIME
If Sensor Watch / If System Trouble?	Y	Y	RESET SYSTEM TRBL
Always	N/A	N/A	ACTIVATE FAULT FIND
After Test Timer	Y	Y	ACTIVATE DIALER TEST
Always	Y	N/A	TO ARM IN 1-4HRS/PRESS 1-4
If Auto Arm?	Y	N/A	TO DELAY AUTO ARM/PRESS 1-4
Always	Y	N/A	ACTIVATE PROGRAM
Always	Y	Y	ACTIVATE DOWNLOAD

* NOTE: GEM-RP1CAe2 keypad (version 5 or greater) must be used. N/A means Not Available.

Repeat

EASY MENU PROGRAM MODE (See Next Page)

Press RESET button to Exit at any time

EASY MENU MODE

Keypad Programming Modes: Easy Menu Mode

ENTER # OF ZONES IN AREA 1 *

↓

FIRE ZONES *

↓

2-WIRE FIRE ZNS *

↓

REPORT ALL ZONES TO CENTRAL? *

↓

EXIT/ENTRY ZONES *

↓

INTERIOR ZONES *

↓

Repeat

AREA 1 KEYPADS

↓

CENTAL 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

Repeat

Keypad Commands

Set Cursor | FUNCTION | 1 | 2 | 3 | Execute | NEXT/YES INTERIOR | Yes/Scroll Down
BYPASS | 4 | 5 | 6 | ON OFF | PRIOR/NO INSTANT | No/Scroll Down
Exit | RESET | 7F | 8A | 9P | 0 | * AREA

Press **RESET** button
(at any time)

↓

DIRECT ADDRESS
PROGRAM MODE

↓

Press **RESET** button again to Exit at any time

* Initial Configuration only (New or Memory Cleared Panel); suppressed thereafter. Normal entry mode for previously programmed panel starts at "# AREA 1 KEYPADS".

** Not avialable in GEM-RP2AS/RP2ASe/RP2ASe2 keypads.

NOTE: GEM-RP1CAe2 keypad (version 5 or greater) must be used in order to view "ENTER DATE" and "ENTER TIME".

USER MODE

USER MODE
Enter User Code (If User Programming En-abled) Press **FUNCTION** button

Keypad Commands

					Execute		
Scroll Down/ Set Cursor	FUNCTION	1	2	3	ON / OFF	NEXT/YES INTERIOR	Yes
Scroll Up	BYPASS	4	5	6		PRIOR/NO INSTANT	No
Exit	RESET	7F	8A	9P	0	AREA *	

Repeat

CONDITION	DISARMED	ARMED	KEYPAD MESSAGE
If Zone Faults? *	Y	N/A	DISPLAY ZN FAULTS
If Zone Bypasses?	Y	Y	DISPLAY ZN BYPASSED
Always *	Y	Y	DISPLAY ZN DIRECTORY
If Fire Alarm?	Y	Y	DISPLAY FIRE ALARM
If Fire Trouble?	Y	Y	DISPLAY FIRE TROUBLE
Always	Y	N/A	ACTIVATE/DEACTIVE CHIME
If Sensor Watch / If System Trouble?	Y	Y	RESET SYSTEM TRBL
Always	N/A	N/A	ACTIVATE FAULT FIND
After Test Timer	Y	Y	ACTIVATE DIALER TEST
Always	Y	N/A	TO ARM IN 1-4HRS/PRESS 1-4
If Auto Arm?	Y	N/A	TO DELAY AUTO ARM/PRESS 1-4
Always	Y	N/A	ACTIVATE PROGRAM
Always	Y	Y	ACTIVATE DOWNLOAD

* **NOTE:** GEM-RP1CAe2 keypad (version 5 or greater) must be used. N/A means Not Available.

Repeat

USER PROGRAM MODE

Press **RESET** button to Exit at any time

Repeat

USER CODES	→	ZONE DESCRIPTIONS ** (01-32)	→	DATE **	→	TIME **

** **NOTE:** Not avialable in GEM-RP2AS/RP2ASe/RP2ASe2 keypads. To enter Date and Time, GEM-RP1CAe2 keypad (version 6 or greater) must be used.

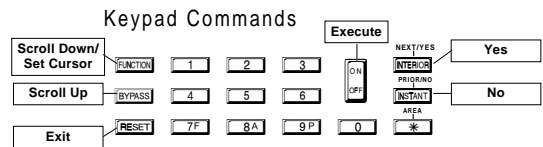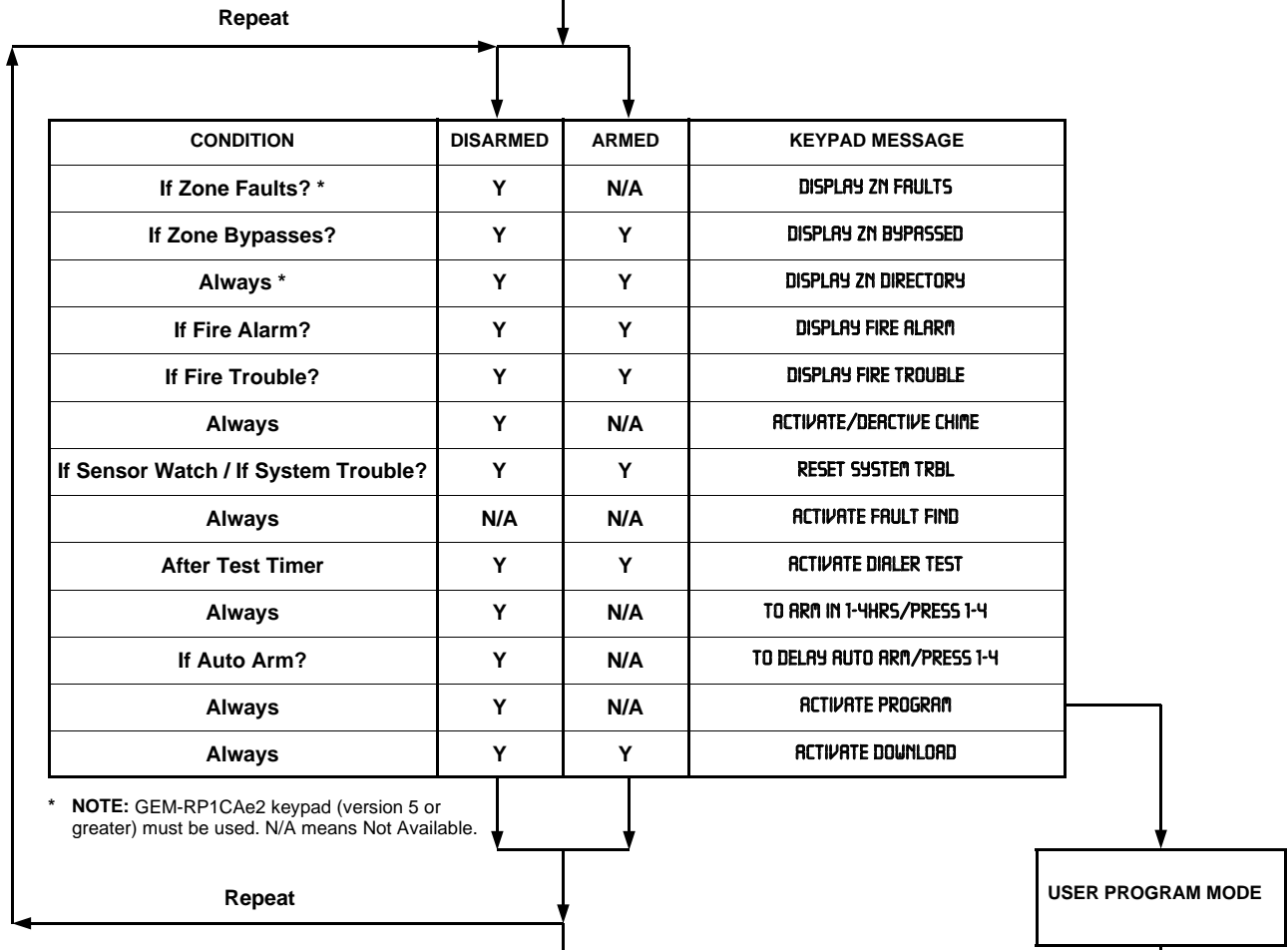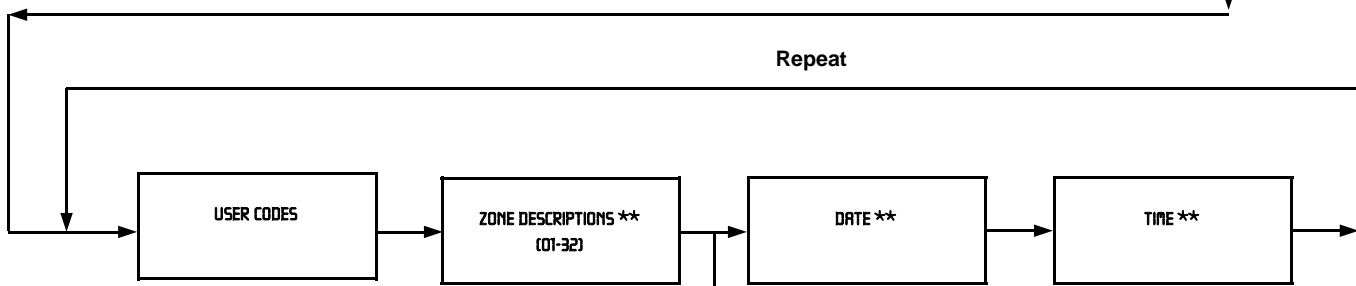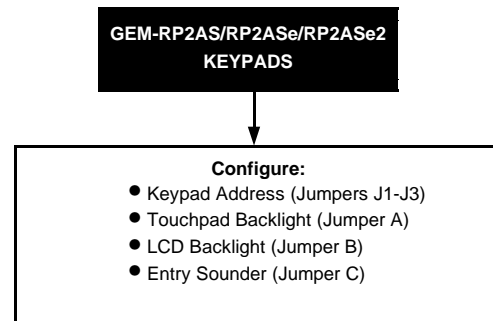| Press **RESET** button to Exit at any time |
| --- |

KEYPAD CONFIGURATION MODE

Keypad Programming Modes: Keypad Configuration Mode

```
        GEM-RP1CA/1CAe/1CAe2                                    GEM-RP2AS/RP2ASe/RP2ASe2
             KEYPADS                                                    KEYPADS
                │                                                          │
                ▼                                                          ▼
┌──────────────────────────────────────┐              ┌──────────────────────────────────────┐
│  Move Jumper JP1 * from Pins 1-2 to   │              │  Configure:                           │
│  Pins 2-3                             │              │  ● Keypad Address (Jumpers J1-J3)     │
│  (Wait about 15 seconds: "OUT OF      │              │  ● Touchpad Backlight (Jumper A)      │
│  SYSTEM")                             │              │  ● LCD Backlight (Jumper B)           │
└──────────────────────────────────────┘              │  ● Entry Sounder (Jumper C)           │
                │                                      └──────────────────────────────────────┘
                ▼
┌──────────────────────────────────────┐
│  Enter Factory Code:                  │
│  [ 1 ] [ 1 ] [ 1 ] [ 2 ] [ 3 ]        │
└──────────────────────────────────────┘
                │
                ▼
┌──────────────────────────────────────┐
│  Press FUNCTION button                │
└──────────────────────────────────────┘
                │
                ▼
┌──────────────────────────────────────┐
│  Configure:                           │
│  ● Keypad Beep ON/OFF                 │
│  ● Entry Sounder                      │
│  ● Keypad Address 01                  │
│  ● New Compat# 000 **                 │
│  ● EZM Address 00                     │
│  ● Zone Response 00                   │
│  ● Program Control Message# 1 **      │
└──────────────────────────────────────┘
                │
                ▼
┌──────────────────────────────────────┐
│  Press RESET button                   │
│  ("01 OUT OF SYSTEM")                 │
└──────────────────────────────────────┘
                │
                ▼
┌──────────────────────────────────────┐
│  Return Jumper JP1 * from Pins 2-3 to │
│  Pins 1-2                             │
│  ("SYSTEM READY")                     │
└──────────────────────────────────────┘
```
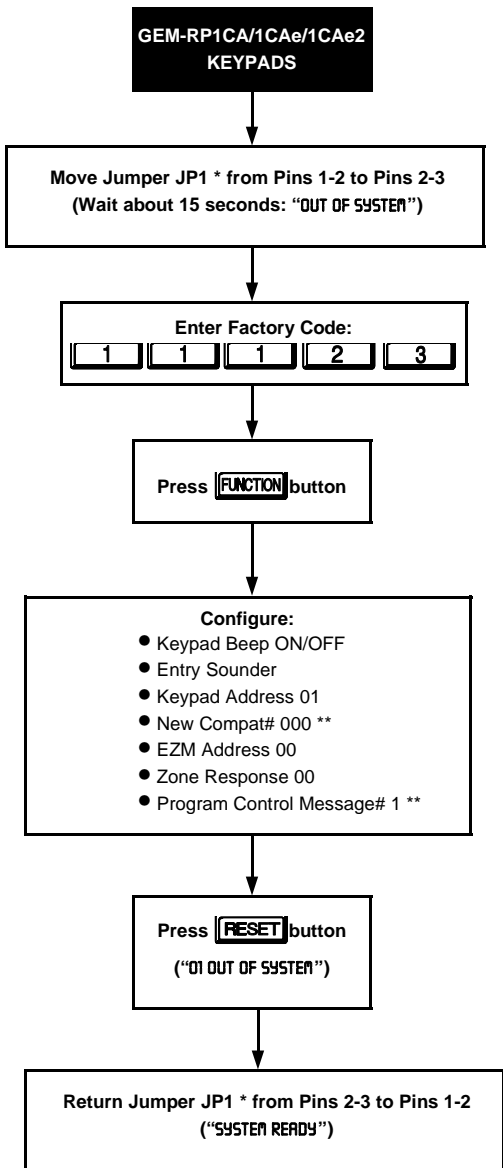
* JP1 is located at the top center of the circuit board.
** Not available in the GEM-P1632.

QUICK COMMAND REFERENCE

ARMING AND DISARMING THE SYSTEM

Arming

☞ To arm, **enter a valid User Code, then press the** ⬚ **button.**

Disarming

☞ To disarm the panel, **enter a valid User Code, then press the** ⬚ **button.**

EZ Arm (Easy Arm) (Not for UL Installations)

☞ If EZ Arm is Enabled, to arm **press the** ⬚ **button.**

Area Arming/Manager's Mode

To arm or disarm the alternate area:

☞ 1. Press the ⬚1⬚ or ⬚2⬚ button representing the alternate area.

☞ 2. Press the ⬚∗⬚ button, then the ⬚ button. The keypad will display "SYSTEM READY X", where "X" denotes the area   selected. In effect, you will now be in that area.

☞ 3. Arm or disarm the area using your code (the code must be valid for that area).

☞ 4. To return the keypad to its "home" area, press the ⬚∗⬚ button, then the ⬚ button.

BYPASSING ZONES

Selective Bypass (Bypassing Specific Zones)

☞ If Selective Bypass is enabled, to bypass **press the** ⬚BYPASS⬚ **button followed by the zone number.** The zone will be unbypassed the next time the system is disarmed.

ALARM INDICATION

☞ If programmed to silence an alarm, **enter a valid User Code and press the** ⬚ **button**.

Quick Command Reference

ACCESSING DEALER PROGRAM MODE
Accessing Easy Menu Mode

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

Dealer Code (Default = 456789)

2. Press [INSTANT] Until "ACTIVATE PROGRAM Y/N" **(GEM-RP1CAe2) or**
"TURNON PROG Y/N" **(GEM-RP2ASe2)**
appears on LCD screen.

3. Press [INTERIOR] **To Enter Easy Menu Program Mode**

4. Press [RESET] [RESET] **To Exit Easy Menu Driven Program Mode**

Accessing Direct Address Mode

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

Dealer Code (Default = 456789)

2. Press [INSTANT] Until "ACTIVATE PROGRAM Y/N" **(GEM-RP1CAe2) or**
"TURNON PROG Y/N" **(GEM-RP2ASe2)**
appears on LCD screen.

3. Press [INTERIOR] **To Enter Easy Menu Program Mode**

4. Press [RESET] **To Exit Easy Menu Driven Program Mode**
& Enter Direct Address Program Mode

5. Press [RESET] **To Exit Direct Address Program Mode**

ACCESSING USER PROGRAM MODE

1. Press [ ] [ ] [ ] [ ] [ ] [ ] [FUNCTION]

New Panel (Default User Code = 123)
Existing Panel (Any Code with User Program Option Enabled)

2. Press [INSTANT] Until "ACTIVATE PROGRAM Y/N" **(GEM-RP1CAe2) or**
"TURNON PROG Y/N" **(GEM-RP2ASe2)**
appears on LCD screen.

3. Press [INTERIOR] **To Enter User Program Mode**

4. Press [RESET] **To Exit User Program Mode when finished**

DIRECT ADDRESS PROGRAM MODE KEYPAD COMMANDS
A. GEM-RP1CAe2 Keypads

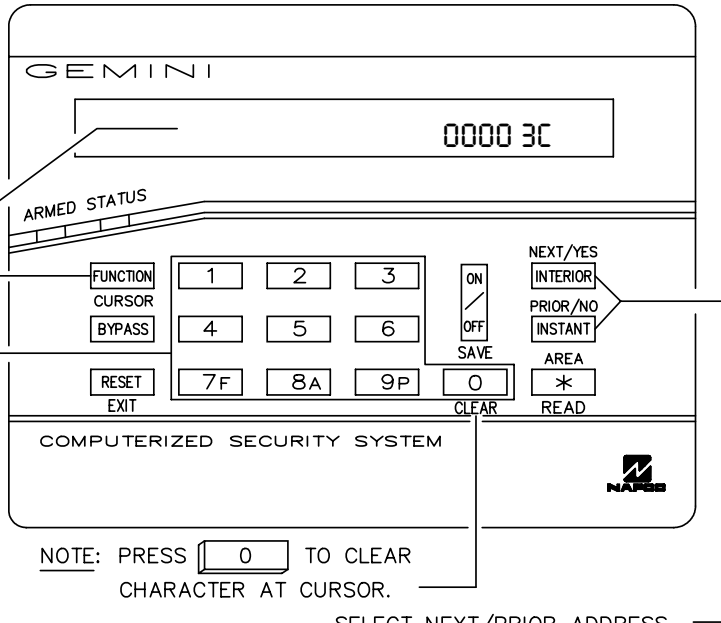TO ACCESS, PRESS [RESET]
IN DEALER PROGRAM MODE.

1. TOGGLE CURSOR TO
   4-DIGIT ADDRESS FIELD
   USING [FUNCTION] BUTTON.

2. ENTER ADDRESS NUMBER
   DIRECTLY USING NUMBER
   BUTTONS.

3. ENTER DATA DIRECTLY
   USING NUMBER BUTTONS.*

4. PRESS [ON/OFF] TO SAVE.

TO EXIT, PRESS [RESET].

NOTE: PRESS [0] TO CLEAR CHARACTER AT CURSOR.

SELECT NEXT/PRIOR ADDRESS.
(PRESS [*] [NEXT] TO JUMP TO NEXT PROGRAMMING BLOCK.

*PRESS "[*][0]"-"[*][5]" FOR 10-15 (A-F), RESPECTIVELY.

B. GEM-RP2ASe2 Keypad

TO ACCESS, PRESS [RESET]
IN DEALER PROGRAM MODE.
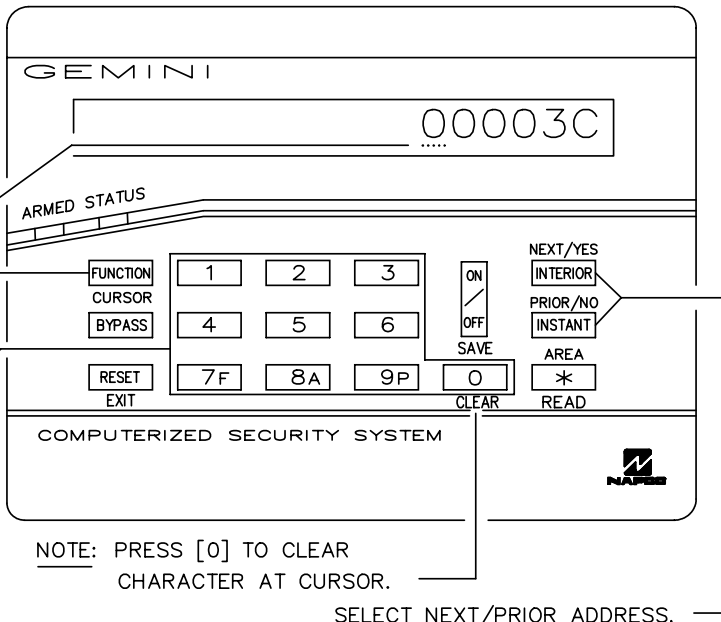
1. TOGGLE CURSOR TO 4-DIGIT
   ADDRESS FIELD USING
   [FUNCTION] BUTTON.

2. ENTER ADDRESS
   NUMBER DIRECTLY
   USING NUMBER BUTTONS.

3. ENTER DATA DIRECTLY
   USING NUMBER BUTTONS.*

4. PRESS [ON/OFF] TO SAVE.

TO EXIT, PRESS [RESET].

NOTE: PRESS [0] TO CLEAR CHARACTER AT CURSOR.

SELECT NEXT/PRIOR ADDRESS.
(PRESS [*] [NEXT] TO JUMP TO NEXT PROGRAMMING BLOCK.

*PRESS "[*][0]"-"[*][5]" FOR 10-15 (A-F), RESPECTIVELY.

Quick Command Reference

PROGRAMMING OPTIONS INDEX

PROGRAMMING OPTION	PROGRAM MODE	ADDRESS LOCATION	PAGE NUMBER
3/1 with Extended Restores	**Direct Address**	**0171, 0193 & 0215**	**29**
Abort Delay	**Direct Address**	**0715**	**24**
AC Fail Report Delay	**Direct Address**	**0717**	**24**
Access Control on PGM2 Output	**Direct Address**	**0719**	**27**
Alarm Output Timeout	**Direct Address**	**0712**	**25**
Auto Bell Test on Arming	**Direct Address**	**0719**	**27**
Auto Reset after Burglary Output Timeout	**Direct Address**	**0719**	**27**
Automatic Interior Bypass	**Direct Address**	**0722**	**27**
Backup Reporting on Telco 2	**Direct Address**	**0394**	**31**
Callback Telephone Number	**Direct Address**	**0236-0255**	**25**
Cancel Next Test Timer on any Report	**Direct Address**	**0394**	**31**
Cancel Report Code	**Direct Address**	**0330**	**30**
Change Pulse Output to Cadence	**Direct Address**	**0719**	**27**
Chime	**Direct Address**	**0509 & 0564**	**36 & 37**
Chime 2	**Direct Address**	**0540 & 0595**	**36 & 37**
Chime Timeout	**Direct Address**	**0716**	**24**
Clear Dealer Program	**Direct Address**	**1197**	**41**
Closing Report only on Conditional Close	**Direct Address**	**0718**	**27**
Cold Start	**Direct Address**	**1198**	**41**
CS Receiver 1, 2 & 3 Telephone Numbers	**Direct Address**	**0172-0191, 0194-0213 & 0216-0235**	**29**
CS Receiver 1, 2 & 3 Formats	**Direct Address**	**0170, 0192 & 0214**	**29**
CS Telco 1, 2 & 3 Subscriber Event ID Numbers (System)	**Direct Address**	**0275-0278, 0295-0298 & 0315-0318**	**30**
CS Telco 1, 2 & 3 Subscriber Event ID Numbers	**Direct Address**	**0227-0270, 0287-0290 & 0307-0310**	**30**
CS Telco 1, 2 & 3 Subscriber Opening/Closing ID Numbers	**Direct Address**	**0258-0262, 0279-0282 & 0299-0322**	**30**
Dealer Code	**Easy Menu Driven**	**N/A**	**11 & 14**
Disable Callback Download	**Direct Address**	**0720**	**27**
Disable Closing Reports	**Direct Address**	**0392**	**31**
Disable Function Mode Download	**Direct Address**	**0720**	**27**
Disable Opening Reports	**Direct Address**	**0391**	**31**
Disable Wait for Handshake	**Direct Address**	**0394**	**31**
Disable Wait for Silence	**Direct Address**	**0394**	**31**
Disable Zone Fault Scrolling	**Direct Address**	**0718**	**27**
Enable Alarm Output on Telco Fail only when Armed	**Direct Address**	**0721**	**27**
Enable EZM Group	**Direct Address**	**0737 & 0738**	**33**
Enable Global Ambush Code	**Direct Address**	**0720**	**27**
Enable Auto Arm if not closed	**Direct Address**	**0718**	**27**
Enable Line Fault Test	**Direct Address**	**0721**	**27**
Enable Residential Fire	**Direct Address**	**0720**	**27**
Enable Transmitter Telco 1	**Direct Address**	**0721**	**27**
Enable Transmitter Telco 3	**Direct Address**	**0721**	**27**
Enable Zone Number on Pulse Alarm	**Direct Address**	**0171, 0193 & 0215**	**29**
Entry Delay 1	**Direct Address**	**0001**	**24**
Entry Delay 2	**Direct Address**	**0002**	**24**
Exit Delay	**Direct Address**	**0000**	**24**
Global Ambush Code	**Direct Address**	**1054**	**26**
Inhibit System Trouble Audible at Keypad	**Direct Address**	**0721**	**27**
Key fob Transmitters	**Easy Menu Driven**	**N/A**	**10 & 17**
Keypad Options	**Direct Address**	**0723-0736, 1055-1058**	**35**
Leading Digits for Pager Format	**Direct Address**	**0256 & 0257**	**25**
Number of Rings before Pickup	**Direct Address**	**1183**	**25**
Opening Report only after Alarm Report	**Direct Address**	**0718**	**27**
PGM1 Output Timeout	**Direct Address**	**0714**	**25**
PGM2 Output Timeout	**Direct Address**	**0710**	**25**

GEM-P816 Programming Instructions   NAPCO Security Systems

PROGRAMMING OPTION	PROGRAM MODE	ADDRESS LOCATION	PAGE NUMBER
PGM2 Output Access Control Timeout	Direct Address	0711	24
PGM2 Output Chirp on Key fob Arming	Direct Address	0722	27
PGM2, Don't Clear Output with Arm/Disarm	Direct Address	0722	27
Pulsed Alarm Output Timeout	Direct Address	0713	25
Report Cancel Window	Direct Address	1179	24
Reset Day zone with Arm/Disarm only	Direct Address	0720	27
RF Transmitter Points	Easy Menu Driven	N/A	9 & 16
Sensor Watch Zone Option	Direct Address	0538 & 0593	36 & 37
Sensor Watch Time	Direct Address	1059	24
Status Report	Direct Address	0718	27
Sum check	Direct Address	0171, 0193 & 0215	29
Suppress Bypass Reminder when Armed	Direct Address	0719	27
Touch-tone Dialing Only	Direct Address	0394	31
Touch-tone Dialing w/Rotary Backup	Direct Address	0394	31
Two Ring Download	Direct Address	0722	27
User Codes	Easy Menu Driven	N/A	8 & 15
User Opening/Closing Telco 1 & 3 (Users 00-16)	Direct Address	0430-0449	32
Veriphone Zones over Priority Alarms	Direct Address	0722	27
Veriphone Zones trip PGM2 Output	Direct Address	0722	27
Zone Descriptors	Easy Menu Driven	N/A	10
Zones Report Code (Zones 1-16)	Direct Address	0358-0373	31

Programming Options Index: PGM2 Output Access Control Timeout to Zones Report Code

GEM-P816 WIRING DIAGRAM

GEM-P816 Wiring Diagram

LA1831