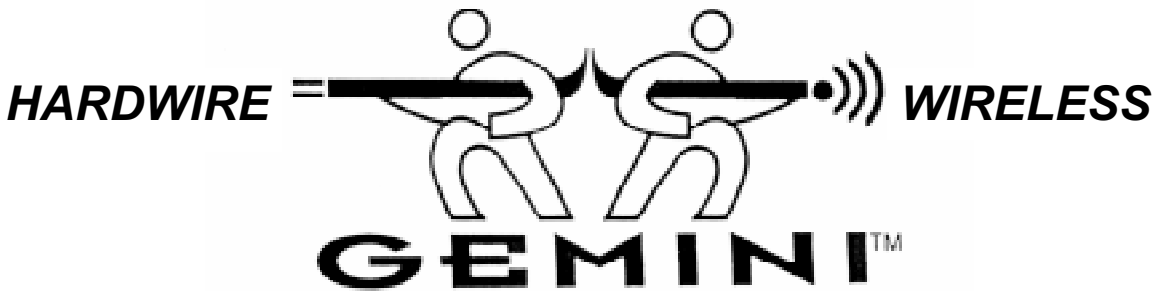




# PROGRAMMING INSTRUCTIONS



## GEM-P1632 CONTROL PANEL/COMMUNICATOR

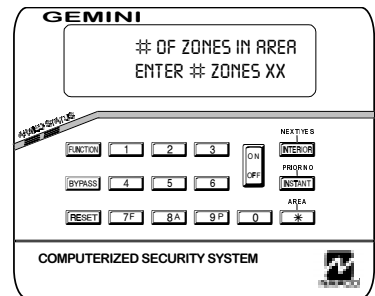
### Quick Start:

1. Refer to the wiring diagram, connect siren, aux. power, pgm. output, remote bus, earth ground, zone and telephone wiring. NOTE: See Installation Instructions (WI808).
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:

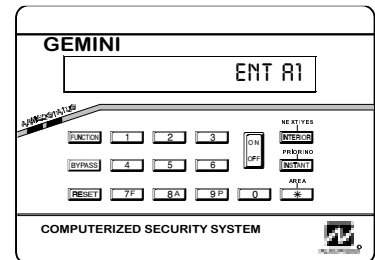
Press **4** **5** **6** **7F** **8A** **9P** **FUNCTION**

Press **INSTANT** Until Dealer Code "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).



GEM-RP1CAe2 Keypad



GEM-RP2ASe2 Keypad

**THIS MANUAL INCLUDES FEATURES WHICH ARE ONLY AVAILABLE IN CONTROL PANEL FIRMWARE VERSION 9A OR LATER.**

#### **CHANGES FROM PREVIOUS EDITION**

The following changes have been made to this manual (WI897E) since the previous edition (WI897C).

- ✓ The Glossary has been removed and inserted in the Installation Instructions (WI808).
- ✓ Page 10 includes added "Enter Date" in GEM-RP1CAe2 Keypad Easy Menu Programming.
- ✓ Page 11 includes added "Enter Time" in GEM-RP1CAe2 Keypad Easy Menu Programming.
- ✓ Page 24 includes added "Sensor Watch Time" (Address 1059) and "Report Cancel Window" (Address 1179) in Direct Address Programming.
- ✓ Page 27 includes added "Disable Zone Fault Scrolling" (Address 0718), "Inhibit System Trouble Audible at Keypad" (Address 0721) and "Enable Alarm Output on Telco Fail only when Armed" (Address 0721) in Direct Address Programming.
- ✓ Page 28 includes added, "Enable Keypad Set Time/Date Message" (Address 1060), "Enable Cancel Report to Telco 3" (Address 1060) and "Enable GEM-PRINT Module" (Address 1060) in Direct Address Programming.
- ✓ Page 30 includes added "Cancel Report Code" (Address 0330) in Direct Address Programming.
- ✓ Page 35 includes added "Keypad Type" (Address 0723-0729) in Direct Address Programming.
- ✓ Page 36 & 37 includes added "Sensor Watch" (Address 0538, 0593, 0648 & 0703) and "Chime 2" (Address 0540, 0595, 0650 & 0705) in Direct Address Programming.
- ✓ Page 38 includes corrected "RF Supervisory Timers" (Address 1038-1053) in Direct Address Programming.
- ✓ Page 40 includes added "Event ID Codes" (F blank(•) = Relay Control Group 1, F 1 = Relay Control Group 2 and 47 = Alarm Supervisory) in Direct Address Programming.



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Refer to accompanying GEM-P1632 Installation Instructions (WI808) 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-P1632 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 in area 1, zone doubling, 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 in area 1, 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.)

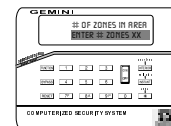
### Remote Downloading

(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, however this keypad may be located in any area.
- ☞ 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.
- ☞ When programming a Multiple Area System, Direct Address Programming Mode must be used to complete the program.

**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

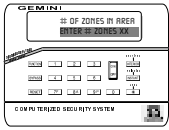
For any new panel, you can design a default program that will best suit your application. Using this procedure, you will configure the panel for:

- |                                      |                                  |   |
|--------------------------------------|----------------------------------|---|
| ✓ Number of Zones in Area 1          | ✓ Number of Keypads in Area 1    | ✓ Zone Descriptions (GEM-RP1CAe2 Keypad Only) |
| ✓ Panel Zone Doubling                | ✓ CS Receiver 1 Telephone Number | ✓ Date (GEM-RP1CAe2 Keypad Only)              |
| ✓ Fire Zones in Area 1               | ✓ CS Receiver 1 Account Number   | ✓ Time (GEM-RP1CAe2 Keypad Only)              |
| ✓ 2-Wire Fire Zones in Area 1        | ✓ CS Receiver 1 Format           | ✓ Dealer Code                                 |
| ✓ Local or Central station Reporting | ✓ User Codes                     |   |
| ✓ Exit/Entry Zones in Area 1         | ✓ RF Transmitter Points          |   |
| ✓ Interior Zones in Area 1           | ✓ Key Fob Transmitters           |   |

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 number zones will be suppressed and cannot be changed. Should it be necessary to create a new custom default program, (a) from the Dealer Program Mode, press the **RESET** button to enter the Direct Address Program Mode; (b) access Location 1197 (Clear Program); (c) press the **ON/OFF** button and start over.

## 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 in Area 1 (Appears for New Panel Only)

Directly enter the total number of zones to be programmed for Area 1. Valid entries are from 01 to 32. 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 18, it will automatically convert this to 20 zones. Press **ON/OFF** to save. Press NEXT (**INTERIOR**) button to proceed. **NOTE:** If you are programming a 2 Area system, enter the total number of zones required for Areas 1 & 2. The Direct Address Program Mode can then be used to remove zones from Area 1 and place them in Area 2. See Zone Options. If Programming a Wireless Only system, or using wireless only on Zones 9-32, enter the total number of zones in the system. Enter the transmitter points in the RF Transmitter section of the Easy Menu Driven Programming Mode.

```
EZ ZONE DOUBLING
ENABLED? Y/N
```

(Press YES or NO)

### Panel Zone Doubling (Appears for New Panel Only)

If you wish to double the number of hardwired zones within the panel from 8 to 16, press the YES (**INTERIOR**) button. The 16 zones will no longer be EOL zones, but will be designated for Normally Closed devices only. The terminal for Zone 1 will now support both Zones 1 and 9 with the use of the supplied

EZ Zone Doubling™ resistors, E (2.2K) & Z (3.9K) supplied. (Refer to Wiring Diagram and Installation Instructions). If Panel Zone doubling is not desired, press NO (**INSTANT**).

```
FIRE ZONES
ENTER ZONE # XX
```

(Direct Entry)

### Fire Zones in Area 1 (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 32. 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.

**NOTE:** If you are programming a 2 Area system, enter the zone number of zones required for Areas 1 & 2. The Direct Address Program Mode can then be used to remove zones from Area 1 and place them in Area 2. See Zone Options.

```
2-WIRE FIRE ZNS
ENTER ZONE # XX
```

(Direct Entry)

### 2-Wire Fire Zones in Area 1 (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 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 in Area 1** *(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 32. Directly enter each zone number, including leading zeros. Use number buttons  through . **NOTE:** Press the  button for a zero. Press  to save and then repeat for any additional





zone(s). Press NEXT () button to proceed.

**NOTE:** Chime will automatically be programmed for all E/E zones. If you are programming a 2 Area system, enter all the of zones required for Areas 1 & 2. The Direct Address Program Mode can then be used to remove zone from Area 1 and place them in Area 2. See Zone Options.

INTERIOR ZONES  
ENTER ZONE # XX

(Direct Entry)

**Interior Zones in Area 1** *(Appears for New Panel Only)*

Directly enter the zone numbers which are to be used as Interior Zones. Valid entries are from 01 to 32. Directly enter each zone number, including leading zeros. Use number buttons  through . **NOTE:** Press the  button for a zero. Press  to save and then repeat for any additional






zone(s). Press NEXT () button to proceed.

**NOTE:** All Interior zones will also be automatically programmed as "Exit/Entry Follower" zones. If you are programming a 2 Area system, enter all the zones required for Areas 1 & 2. The Direct Address Program Mode can then be used to remove zones from Area 1 and place them in Area 2. See Zone Options.

# AREA 1 KEYPADS  
ENTER #KPS 01

(Direct Entry)

**Number of Keypads in Area 1**









Directly enter the total number of Keypads to be installed in Area 1. Valid entries are from 01 to 07. Directly enter the number of keypads, including leading zeros. Use number buttons  through . **NOTE:** Press the  button for a zero. Press  to save . Press NEXT () button to




proceed. **NOTE:** Area 2 keypads can only be assigned in Direct Address Programming. See Keypad Options.

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  through  for digits 1-9; press the   button for a zero and   through   for letters B-F, respectively. **NOTE:**








Pre-Dial Delay = "D"; Dial-Tone Detection = "E". Pressing the  button will produce a blank space (•). Press  to save . Press NEXT () 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  through  for digits 1-9. **NOTE:** Press the  button for a zero and press   button for a blank space (•). Press  to save . Press NEXT () 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 [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.

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 Area 1 Area 2

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

For default program, enter up to 32 User Codes, with Area 1 and Area 2 Options.

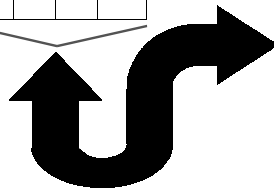
Press the ([FUNCTION]) button once to set the cursor to the User Code. Use the number buttons [1] through [9P] to enter a code from 2 to 6

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 and press [\*] [0] for a blank space (\*). 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 to set the cursor to the Area 1 Options Level. Refer to the table below for the available area options.

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

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



**AREA OPTIONS:** Area 1 and Area 2 Options may be programmed for all 32 users.

Select the desired Area Options (Area 1 and Area 2) from the table shown and enter in the remaining four boxes for each user code.

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

AREA OPTIONS	EXPLANATION
Disabled	User Code not active in this area.
Arm/Disarm	Allows User Code to arm/disarm this area.
Arm Only	Prevents User Code from disarming this area.
Service	A Service Code has restricted arm/disarm rights; if an area is armed with a Service Code, a "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 (Area 1 or Area 2). To enable User Program Option for any user add 8 to the data entry for Area Option (see example). Then, User Programming can be performed only at Keypad 1 by a user code with user program enabled.

**Related User Options:** "Enable Global Ambush Code" (Address 0720), "Global Ambush Code" (Address 1054) & "Enable Managers Mode" (Address 0719).

For Area 2 Options, press the ([FUNCTION]) button once again. Refer to the table above for available options. **NOTE:** Press the [0] for blank space (\*).

Press [ON/OFF] 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.

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



```

ZN# XMIT# +CS P
ZN01-000000: 0- 0

```

Zone # Mapped to	Xmitter ID	Check Sum	Point #

ID Code number, "0" through "9" =  through ; "A" =  ; "B" =  ; "C" =  ; "D" =  ; "E" =   and "F" =  . Press  to save. Press NEXT () button to proceed.

```

ZN# XMIT# +CS P
ZN01-000000: 0- 0

```

```

ZN# XMIT# +CS P
ZN01-ENROLL:A--

```

### RF Transmitter Points (Press the () 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** (01–32) 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

*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  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.

```

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

### 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.

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 Output Toggle
D	Access on PGM2 Output

the **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 32 key fobs (using 1 button) or 16 key fobs (using 2 buttons) or 8 key fobs (using all 4 buttons) or any combination up to a maximum of 32 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 date at the GEM-RP1CAe2 keypad version 5 or greater must be used.

ENTER TIME  
(12:05A)

(Direct Entry)

**Enter Time** (Press the  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 date 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  through  buttons. **NOTE:** Press the  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 () button to proceed.

**NOTE:** The Dealer Code must be 6 digits.

**EXIT DEALER PROGRAM MODE:** This completes the custom default program. Press the  button to enter the Direct Address Program Mode for further programming or press the  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  button to enter the Address Program Mode; (b) access Location 1197 (Clear Program) or 1198 (Cold Start); (c) press  and then (d) press the  button to exit the Dealer Program Mode. A “SYSTEM TROUBLE/E09-00 SERVICE” will occur. Press the  button to silence the keypad.

1197 XX

GEM-RP1CAe2 Keypad

**Clear Dealer Program (Erases Dealer Program)**

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

Access address 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

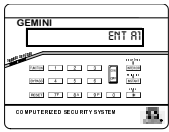
**Cold Start (Erases Entire Program)**

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



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 R1

#ZNXX

(Direct Entry)

#### Total Number of Zones in Area 1 (Appears for New Panel Only)

Directly enter the total number of zones to be programmed for Area 1. Valid entries are from 01 to 32. 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 18, it will automatically convert this to 20 zones. Press **ON/OFF** to save. Press NEXT (**INTERIOR**) button to proceed. **NOTE:** If you are programming a 2 Area system, enter the total number of zones required for

Areas 1 & 2. The Direct Address Program Mode can then be used to remove zones from Area 1 and place them in Area 2. See Zone Options. If Programming a Wireless Only system, or using wireless only on Zones 9-32, enter the total number of zones in system. Enter the transmitter points in the RF Transmitter section of the Easy Menu Driven Programming Mode.

ZN DBL

ENABL?

Y/N

(Press YES or NO)

#### Panel Zone Doubling (Appears for New Panel Only)

If the total number of zones in Area 1 entered was 16 or greater, press YES (**INTERIOR**) to effectively double the capacity of the control panel's hard wired zones from 8 to 16. The 16 zones will no longer be EOL terminated zones, but will be designated for two Normally Closed devices only. The terminal for Zone 1 will now support Zones 1 and 9 with the use of the supplied EZ Zone Doubling™ resistors, E & Z supplied. (Refer to Wiring Diagram and Installation Instructions). If Panel Zone doubling is not desired, press NO (**INSTANT**).

ENT FR

ZN#XX

(Direct Entry)

#### Fire Zones in Area 1 (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 32. 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.

**NOTE:** If you are programming a 2 Area system, enter all the zone numbers required for Areas 1 & 2. The Direct Address Program Mode can then be used to remove zones from Area 1 and place them in Area 2. See Zone Options.



ENT2WF

**2-Wire Fire Zones in Area 1** *(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  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 () button to proceed. **NOTE:** JP3 must be set to "2-WF" position for 2-wire fire zones (refer to Installation Instructions).





ZN# XX


(Direct Entry)



REPORT

**Local or Central Station Reporting System** *(Appears for New Panel Only)*

Press YES () button for all zones to report; press NO () button for no zones to report (LOCAL SYSTEM).



ALL ZN?





Y/N




(Press YES or NO)



ENT EE

**Exit/Entry Zones in Area 1** *(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 32. Directly enter each zone number, including leading zeros. Use number buttons  through .

**NOTE:** Press the  button for a zero. Press  to save and then repeat for any additional zone(s). Press NEXT () button to proceed.

**NOTE:** Chime will automatically be programmed for all E/E zones. If you are programming a 2 Area system, enter all exit/entry zone numbers required for Areas 1 & 2. The Direct Address Program Mode can then be used to re-

move zone from Area 1 and place them in Area 2. See Zone Options.




ZN# XX





(Direct Entry)



ENTFOL

**Interior Zones in Area 1** *(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 32. Directly enter each zone number, including leading zeros. Use number buttons  through

. **NOTE:** Press the  button for a zero. Press  to save and then repeat for any additional zone(s). Press NEXT () button to proceed.

**NOTE:** All Interior Follower zones will also be automatically programmed as "Exit/Entry Follower" zones. If you are programming a 2 Area system, enter the total number of zones required for Areas 1 & 2. The Direct Address Program Mode can then be used to remove zones from Area 1 and place them in Area 2. See Zone Options.



ZN# XX

(Direct Entry)

Program Mode can then be used to remove

ENT A1

#KP 01

(Direct Entry)

### Number of Keypads in Area 1

Directly enter the total number of Keypads to be installed in Area 1. Valid entries are from 01 to 07. Directly enter the number of keypads, including leading zeros. Use number buttons  through . **NOTE:** Press the  button for a zero. Press  to save. Press NEXT () button to proceed. **NOTE:** Area 2 keypads can only be assigned in Direct Address Programming. See Keypad Options.

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  through  for digits 1–9; press the   button for a zero and   through   for letters B–F, respectively. **NOTE:** Pre-Dial Delay = “D”; Dial-Tone Detection = “E”. Pressing the  button will produce a blank space (•). Press  to save. Press NEXT () 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  through  for digits 1–9. **NOTE:** Press the   button for a zero and press  button for a blank space (•). Press  to save. Press NEXT () 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  through . **NOTE:** Press the   button for a zero and press  for a blank space (•). Press   through   for letters B–E, respectively. Press  to save. Press NEXT () 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










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

For default program, enter up to 32 User Codes, with Area 1 and Area 2 Options.





(Direct Entry)

 Press the  button once to set the cursor to the User Code. Use the number buttons  through  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  button for a zero and press   for a blank space (\*). 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".



(Direct Entry)

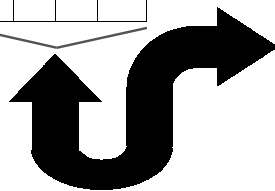
 If the programmed code was less than 6 digits, press the  button to set the cursor to the Area 1 Options Level (OPT). Refer to the table below for the available area options.




(Direct Entry)

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

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






**AREA OPTIONS:** Area 1 and Area 2 Options may be programmed for all 32 users.




 Select the desired Area Options (Area 1 and Area 2) from the table shown and enter in the remaining four boxes for each user code.

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



AREA OPTIONS	EXPLANATION
Disabled	User Code not active in this area.
Arm/Disarm	Allows User Code to arm/disarm this area.
Arm Only	Prevents User Code from disarming this area.
Service	A Service Code has restricted arm/disarm rights; if an area is armed with a Service Code, a "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 "AccessControl 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 (Area 1 or Area 2). To enable User Program Option for any user add 8 to the data entry for Area 1 Option (see example). Then, User Programming can be performed only at Keypad 1 by a user code with user program enabled.

**Related User Options:** "Enable Global Ambush Code" (Address 0720), "Global Ambush Code" (Address 1054) & "Enable Managers Mode" (Address 0719).

 For Area 2 Options (ACC), press the  button once again. Refer to the table above for available options.  
**NOTE:** Press the  for blank space (\*).

 Press  to save. To proceed to the next User Code, press the  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.

**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.


 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** (01–32) 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 ]** 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 .*



KFO801

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 (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]**, respec-

tively; “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 Output 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 32 key fobs (using 1 button) or 16 key fobs (using 2 buttons) or 8 key fobs (using all 4 buttons) or any combination up to a maximum of 32 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 (Version 5 or later) 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 (Version 5 or later) or the Napco Quickloader Software.*

GEM-RP2AS/RP2ASe Keypads: Keyfob Transmitters

DCODE



(Direct Entry)

**Dealer Code**

Directly enter the Dealer Code (default = 456789), including leading zeros. Use the  through  buttons. **NOTE:** Press the  button for a zero. Press  to save.

456789



(Direct Entry)





Re-enter the Dealer Code to verify the previous code. Press  to save. Press NEXT () 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  button to enter the Direct Address Program Mode for further programming or press the  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  button to enter the Address Program Mode; (b) access Location 1197 (Clear Program) or 1198 (Cold Start); (c) press  and then (d) press the  button to exit the Dealer Program Mode. A "SYSTEM TROUBLE/E03-00 SERVICE" will occur. Press the  button to silence the keypad.

1197XX

GEM-RP2ASe2 Keypad

**Clear Dealer Program (Erases Dealer Program)**

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

Access address 1197, then press the  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)**

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

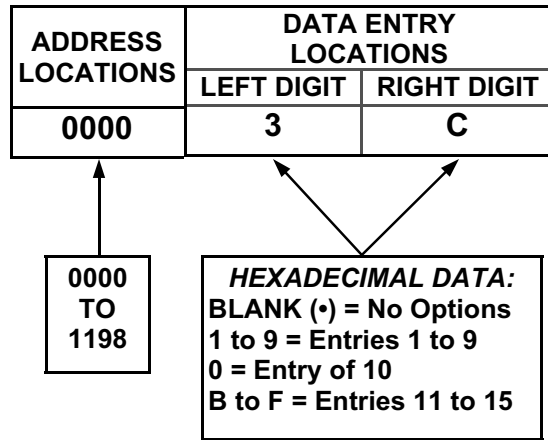
Access address 1198, then press the  button. Data entry is not allowed.

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

# 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.



## 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 9P FUNCTION

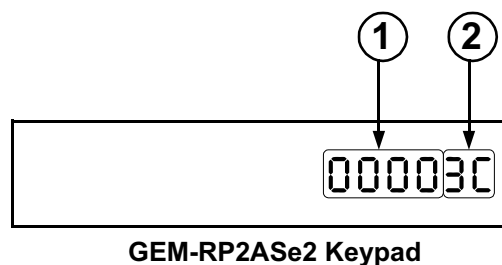
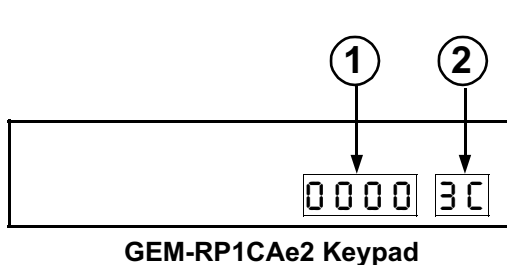
↙ Dealer Code (Default = 456789) ↘

2. Press INSTANT Until "ACTIVATE PROGRAM Y/N" (GEM-RP1CAe2) or "TURN ON 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 = ADDRESS LOCATION
- 2 = DATA ENTRY LOCATION

Accessing Direct Address Program Mode

# DIRECT ADDRESS PROGRAM MODE KEYPAD COMMANDS

## A. GEM-RP1CAe2 Keypads

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

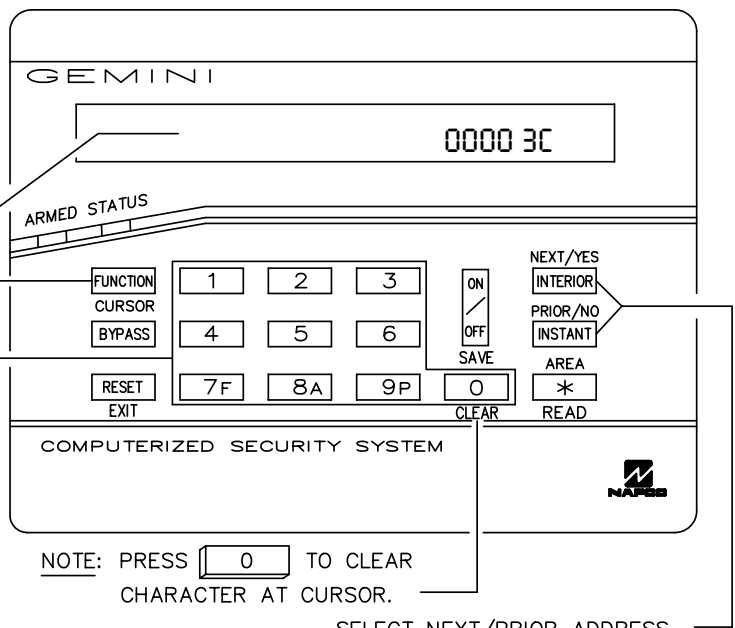
1. TOGGLE CURSOR TO 4-DIGIT ADDRESS FIELD USING **[FUNCTION]** BUTTON.

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.

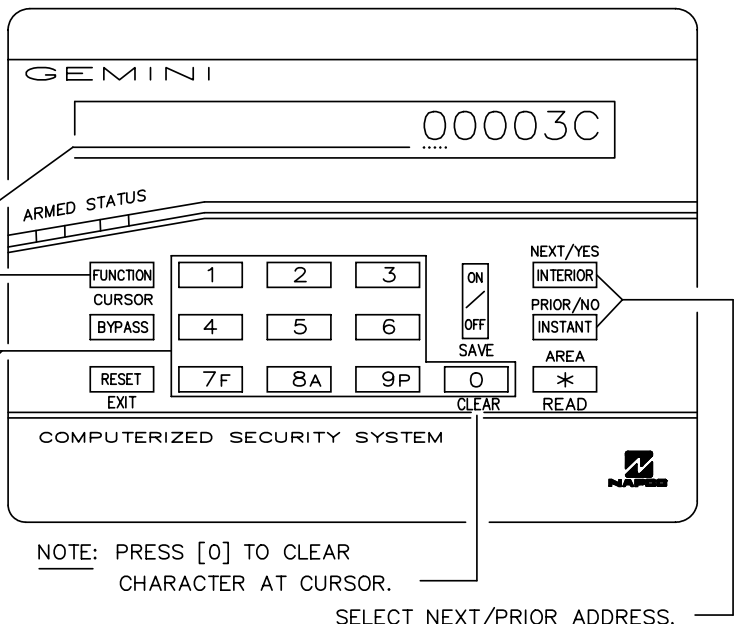
1. TOGGLE CURSOR TO 4-DIGIT ADDRESS FIELD USING **[FUNCTION]** BUTTON.

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.

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  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 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  . To program 11 through 15, press   through  , 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		•
8	4	2	①	1		1
8	4	②	1	2		2
8	4	②	①	3		3
8	④	2	1	4		4
8	④	2	①	5		5
8	④	②	1	6		6
8	④	②	①	7		7
⑧	4	2	1	8		8
⑧	4	2	①	9		9
⑧	4	②	1	10	 	0
⑧	4	②	①	11	 	B
⑧	④	2	1	12	 	C
⑧	④	2	①	13	 	D
⑧	④	②	1	14	 	E
⑧	④	②	①	15	 	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  . 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				ADDRESS			ZONES RIGHT DATA VALUES			
	SUM = 14 (CIRCLE)				0506			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

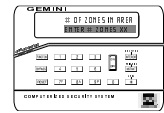
ENTER DATA

#### PROGRAM THE DATA ENTRIES

1. Enter the panel's Dealer Code (Default = 456789), then press the  button.
2. Answer NO () to all questions until "ACTIVATE PROGRAM Y/N" is displayed; then press YES ().  
**NOTE:** If you pass "ACTIVATE PROGRAM", scroll backward using the  button.
3. Press the  button to enter the Address Program Mode. Address "0000" will display.
4. Press     to access Address 0506. The data for both digits will display and the cursor will advance to the data field.
5. Press   to enter an "E" in the left digit and press  to enter a blank (•) in the right digit.
6. Press  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/M" (GEM-RP1CAe2) or "TURNON PROG Y/M" (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**

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	<b>0</b>	•
1	<b>1</b>	1
2	<b>2</b>	2
3	<b>3</b>	3
4	<b>4</b>	4
5	<b>5</b>	5
6	<b>6</b>	6
7	<b>7F</b>	7
8	<b>8A</b>	8
9	<b>9P</b>	9
10	<b>* 0</b>	0
11	<b>* 1</b>	B
12	<b>* 2</b>	C
13	<b>* 3</b>	D
14	<b>* 4</b>	E
15	<b>* 5</b>	F

**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.

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

Programming Options & Worksheets

## 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

$$\begin{array}{r}
 \textcircled{1} \text{ Quotient} \longrightarrow \text{Left Digit} \\
 16 \overline{) 20} \\
 \underline{-16} \\
 \textcircled{4} \text{ Remainder} \longrightarrow \text{Right Digit}
 \end{array}$$

**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

$$\begin{array}{r}
 \textcircled{1} \text{ Quotient} \longrightarrow \text{Left Digit} \\
 16 \overline{) 20} \\
 \underline{-16} \\
 \textcircled{4} \text{ Remainder} \longrightarrow \text{Right Digit}
 \end{array}$$

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

$$\begin{array}{r}
 \textcircled{1} \text{ Quotient} \longrightarrow \text{Left Digit} \\
 16 \overline{) 20} \\
 \underline{-16} \phantom{0} \\
 \textcircled{4} \text{ Remainder} \longrightarrow \text{Right Digit}
 \end{array}$$

**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 timeout is 15 minutes.

## 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 = , C = , 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:** 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 22 1234", where 3 is the Event, 22 is the zone, and 1234 is the Subscriber ID number. For example, if the Leading Digits are programmed as "98", the Pager report will now appear as "983 22 1234". **NOTE:** See CS Receiver Options to select Pager Format.

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

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.

[Default = blank (\*) blank (\*) for both]

## SYSTEM OPTIONS (ADDRESS 0460-0485 & 1054)

SYSTEM RESPONSE ACTIVATED BY GLOBAL EVENT/TROUBLE	GLOBAL SYSTEM EVENT/TROUBLE				ADDRESS			GLOBAL SYSTEM EVENT/TROUBLE			
	LEFT DATA VALUES (CIRCLE )				0460-0469			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	AREA 1 SYSTEM EVENT/TROUBLE				ADDRESS			AREA 1 SYSTEM EVENT/TROUBLE			
	LEFT DATA VALUES (CIRCLE )				0470-0477			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.

SYSTEM RESPONSE ACTIVATED BY AREA 2 EVENT/TROUBLE	AREA 2 SYSTEM EVENT/TROUBLE				ADDRESS			AREA 2 SYSTEM EVENT/TROUBLE			
	LEFT DATA VALUES (CIRCLE )				0478-0485			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		0478		8	4	2	1
Alarm Output	8	4	2	1		0479		8	4	2	1
PGM1 Output	8	4	2	1		0480		8	4	2	1
PGM2 Output	8	4	2	1		0482		8	4	2	1
Report Event Telco 1	8	4	2	1		0483		8	4	2	1
Report Event Telco 3	8	4	2	1		0485		8	4	2	1

[Default = blank (•) blank (•) from address 0478-0485] \* 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 (ADDRESS 0718-0722)



SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE  )	ADDRESS 0718		RIGHT DATA VALUES (CIRCLE  )	SYSTEM OPTIONS
RESERVED	1	LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)	1	Opening Report Only after Alarm Report
Enable AutoArm if not closed at end of windows	2			2	Closing Report Only on Conditional Close
Enable Time/Date at Keypad	4			4	Incl. Sel./Grp. Bypass in Cond. Close /Status
Disable Zone Fault Scrolling	8			8	Status Report
[Default = blank (*) blank (*)]					





SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE  )	ADDRESS 0719		RIGHT DATA VALUES (CIRCLE  )	SYSTEM OPTIONS
Access Control on PGM2 Output	1	LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)	1	Auto Bell Test on Arming
Maintained Keyswitch Arming	2			2	Auto Reset after Burglary Output Timeout
Enable Manager's Mode	4			4	Suppress Bypass Reminder when Armed
Disable Keypad Instant Mode	8			8	Enable Local Alarm on First "ZoneAND" Trip
[Default = blank (*) blank (*)]					

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE  )	ADDRESS 0720		RIGHT DATA VALUES (CIRCLE  )	SYSTEM OPTIONS
Disable Keypad Function Mode Download	1	LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)	1	RESERVED
Disable Callback Download	2			2	Enable Global Ambush Code *
PGM2 Output Chirp on Keyfob Arming	4			4	Reset Day Zone with Arm/Disarm Only
Change Pulse Output to Cadence	8			8	Enable Residential Fire
[Default = blank (*) blank (*)]					

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE  )	ADDRESS 0721		RIGHT DATA VALUES (CIRCLE  )	SYSTEM OPTIONS
Line-Fault Test only when Armed	1	LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)	1	Enable Zone Doubling (Zones 9-16)
Enable Line-Fault Test	2			2	Wireless Trouble Activates Telco 1
Inhibit System Trouble Audible at Keypad *	4			4	Wireless Trouble Activates Telco 3
Select Alarm Output Chirp on Keyfob Arming	8			8	Enable Alarm Output on Telco Fail only when Areas are Armed
Default depends on Easy Menu Question "EZ ZONE DOUBLING? Y/N". If yes, then [Default = blank (*) 1]. If no, then [Default = blank (*) blank (*)].					

\* NOTE: Not for UL Installations.

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE  )	ADDRESS 0722		RIGHT DATA VALUES (CIRCLE  )	SYSTEM OPTIONS
Don't Clear PGM2 Output with Arm/Disarm	1	LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)	1	RESERVED
2nd Ring Download (Dis. Ans. Machine Override)	2			2	Veri-phone Zones Trip PGM2 Output
RESERVED	4			4	Veri-phone Zones over Priority Alarms
RESERVED	8			8	Resound on Wireless Smoke Low Battery
[Default = blank (*) blank (*)]					

-  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).

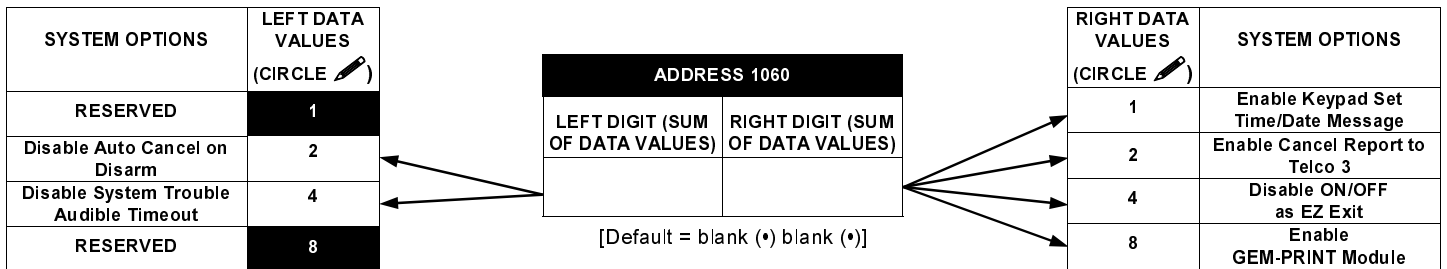
\* NOTE: If "Enable Global Ambush Code" in Address 0720 is selected, then program the 2-digit "Global Ambush Code" in Address 1054. If Address 1054 is left blank (\*), then, the 2-digit "Global Ambush Code" will be "99".

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

System Options



## SYSTEM OPTIONS (ADDRESS 1060)



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.

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

CS Receiver 1 Format	ADDRESS 0170		CS Receiver 2 Format	ADDRESS 0192		CS Receiver 3 Format	ADDRESS 0214	
	LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT
	blank (*)			blank (*)			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 )	ADDRESS 0171	RIGHT DATA VALUES (CIRCLE )	CS RECEIVER 1 OPTIONS
Sum Check	1	LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)	1
3/1 with Extended Restores	2	[Default = blank (*) blank (*)]		2
RESERVED	4			4
RESERVED	8			8
CS RECEIVER 2 OPTIONS	LEFT DATA VALUES (CIRCLE )	ADDRESS 0193	RIGHT DATA VALUES (CIRCLE )	CS RECEIVER 2 OPTIONS
Sum Check	1	LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)	1
3/1 with Extended Restores	2	[Default = blank (*) blank (*)]		2
RESERVED	4			4
RESERVED	8			8
CS RECEIVER 3 OPTIONS	LEFT DATA VALUES (CIRCLE )	ADDRESS 0215	RIGHT DATA VALUES (CIRCLE )	CS RECEIVER 3 OPTIONS
Sum Check	1	LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)	1
3/1 with Extended Restores	2	[Default = blank (*) blank (*)]		2
RESERVED	4			4
RESERVED	8			8

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

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

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
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
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

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

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

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

1. Enter 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 = , C = , 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 (Area 1)	ADDRESS 0259-0262 (RIGHT DIGITS 1-4)			
	0259	0260	0261	0262
	R	R	R	R
CS Telco 1 Subscriber Event ID Number (Area 1)	ADDRESS 0267-0270 (RIGHT DIGITS 1-4)			
	0267	0268	0269	0270
	R	R	R	R

CS Telco 1 Subscriber Opening/Closing ID Number (Area 2)	ADDRESS 0263-0266 (RIGHT DIGITS 1-4)			
	0263	0264	0265	0266
	R	R	R	R
CS Telco 1 Subscriber Event ID Number (Area 2)	ADDRESS 0271-0274 (RIGHT DIGITS 1-4)			
	0271	0272	0273	0274
	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 (Area 1)	ADDRESS 0279-0282 (RIGHT DIGITS 1-4)			
	0279	0280	0281	0282
	R	R	R	R
CS Telco 2 Subscriber Event ID Number (Area 1)	ADDRESS 0287-0290 (RIGHT DIGITS 1-4)			
	0287	0288	0289	0290
	R	R	R	R

CS Telco 2 Subscriber Opening/Closing ID Number (Area 2)	ADDRESS 0283-0286 (RIGHT DIGITS 1-4)			
	0283	0284	0285	0286
	R	R	R	R
CS Telco 2 Subscriber Event ID Number (Area 2)	ADDRESS 0291-0294 (RIGHT DIGITS 1-4)			
	0291	0292	0293	0294
	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 (Area 1)	ADDRESS 0299-0302 (RIGHT DIGITS 1-4)			
	0299	0300	0301	0302
	R	R	R	R
CS Telco 3 Subscriber Event ID Number (Area 1)	ADDRESS 0307-0310 (RIGHT DIGITS 1-4)			
	0307	0308	0309	0310
	R	R	R	R

CS Telco 3 Subscriber Opening/Closing ID Number (Area 2)	ADDRESS 0303-0306 (RIGHT DIGITS 1-4)			
	0303	0304	0305	0306
	R	R	R	R
CS Telco 3 Subscriber Event ID Number (Area 2)	ADDRESS 0311-0314 (RIGHT DIGITS 1-4)			
	0311	0312	0313	0314
	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 (Area 1) 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]  
[Default = blank (\*) blank (\*) from address 0333-0347]

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

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

ADDRESS 0374-0377			
ZONES REPORT CODE			
ZONE 17	ZONE 18	ZONE 19	ZONE 20
0374	0375	0376	0377
L	R	L	R

ADDRESS 0378-0381			
ZONES REPORT CODE			
ZONE 21	ZONE 22	ZONE 23	ZONE 24
0378	0379	0380	0381
L	R	L	R

ADDRESS 0382-0385			
ZONES REPORT CODE			
ZONE 25	ZONE 26	ZONE 27	ZONE 28
0382	0383	0384	0385
L	R	L	R

ADDRESS 0386-0389			
ZONES REPORT CODE			
ZONE 29	ZONE 30	ZONE 31	ZONE 32
0386	0387	0388	0389
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

**NOTE:** If "Zone Doubling" (Address 0721) is **not** enabled, then Zones 1-8 are included in the control panel and Zones 9-32 are EZM Zones. If "Zone Doubling" is enabled, then Zones 1-16 are included in the control panel and Zones 17-32 are EZM Zones. See Address 0737-0742 to enable "EZM Zone Groups".


**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".

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

**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
AREA 2	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
AREA 2	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 Zone Reporting, CS Area & System Reporting Options

## CS USER REPORTING OPTIONS (ADDRESS 0440-0459)

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	LEFT DATA VALUES				ADDRESS 0443		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 0442		RIGHT DATA VALUES			
	User 32	User 31	User 30	User 29	LEFT	RIGHT	User 28	User 27	User 26	User 25	User 24	User 23	User 22	User 21	LEFT	RIGHT	User 20	User 19	User 18	User 17
	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 36	User 35	User 34	User 33
	blank (*)		8	4	2	1

User 33 = Auto Arming/Disarming  
 User 34 = Quickloader Arming/Disarming  
 User 35 = Easy Arming (Opening not applicable)  
 User 36 = Keypad 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 25-32, 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	LEFT DATA VALUES				ADDRESS 0448		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 0447		RIGHT DATA VALUES			
	User 32	User 31	User 30	User 29	LEFT	RIGHT	User 28	User 27	User 26	User 25	User 24	User 23	User 22	User 21	LEFT	RIGHT	User 20	User 19	User 18	User 17
	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 36	User 35	User 34	User 33
	blank (*)		8	4	2	1

User 33 = Auto Arming/Disarming  
 User 34 = Quickloader Arming/Disarming  
 User 35 = Easy Arming (Opening not applicable)  
 User 36 = Keypad 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 25-32, 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	LEFT DATA VALUES				ADDRESS 0453		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 0452		RIGHT DATA VALUES			
	User 32	User 31	User 30	User 29	LEFT	RIGHT	User 28	User 27	User 26	User 25	User 24	User 23	User 22	User 21	LEFT	RIGHT	User 20	User 19	User 18	User 17
	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 36	User 35	User 34	User 33
	blank (*)		8	4	2	1

User 33 = Auto Arming/Disarming  
 User 34 = Quickloader Arming/Disarming  
 User 35 = Easy Arming (Opening not applicable)  
 User 36 = Keypad 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 25-32, 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	LEFT DATA VALUES				ADDRESS 0458		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 0457		RIGHT DATA VALUES			
	User 32	User 31	User 30	User 29	LEFT	RIGHT	User 28	User 27	User 26	User 25	User 24	User 23	User 22	User 21	LEFT	RIGHT	User 20	User 19	User 18	User 17
	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 36	User 35	User 34	User 33
	blank (*)		8	4	2	1

User 33 = Auto Arming/Disarming  
 User 34 = Quickloader Arming/Disarming  
 User 35 = Easy Arming (Opening not applicable)  
 User 36 = Keypad 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 25-32, 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 0737-0742)

EZM Group 1	
ADDRESS 0737	
LEFT	RIGHT
blank (*)	

EZM Group 2	
ADDRESS 0738	
LEFT	RIGHT
blank (*)	

EZM Group 3	
ADDRESS 0739	
LEFT	RIGHT
blank (*)	

EZM Group 4	
ADDRESS 0740	
LEFT	RIGHT
blank (*)	

EZM Group 5	
ADDRESS 0741	
LEFT	RIGHT
blank (*)	


EZM Group 6	
ADDRESS 0742	
LEFT	RIGHT
blank (*)	



Default depends on Easy Menu Question “# OF ZNS IN AREA 1 ENTER # ZONES” and “EZ ZONE DOUBLING? Y/N”. For example, if 32 zones are used and Zone Doubling is not enabled, then all 6 groups will be automatically enabled. If 32 zones are used and Zone Doubling is enabled, then only groups 1-4 will be automatically enabled.

**NOTE:** If “Zone Doubling” (Address 0721) is not enabled, then Zones 1-8 are included in the control panel and Zones 9-32 (Groups 1-6) are EZM Zones. If “Zone Doubling” is enabled, then Zones 1-16 are included in the control panel and Zones 17-32 (Groups 1-4) are EZM Zones and groups 5 and 6 must not be used.

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

EZM GROUP	ZONES COVERED	
	NORMAL	DOUBLED
1	9-12	17-20
2	13-16	21-24
3	17-20	25-28
4	21-24	29-32
5	25-28	
6	29-32	

 **EZM GROUP OPTIONS:** Up to 6 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.

## AREA ARMING OPTIONS (ADDRESS 0743 & 0744)

Priority Arming/ Area 1		
ADDRESS 0743		
LEFT	RIGHT	
blank (*)		

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



Priority Arming/ Area 2		
ADDRESS 0744		
LEFT	RIGHT	
blank (*)		

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

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

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

**PRIORITY AREA ARMING:**

-  1. Select option from the table shown.
-  2. Enter in corresponding right digit address location (left digit is not used).

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



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

Disarming Area 2	LEFT DATA VALUES (CIRCLE )	<b>Burglary Output Turns Off upon Disarm</b> <b>ADDRESS 0745</b> LEFT DIGIT (SUM OF DATA VALUES)   RIGHT DIGIT (SUM OF DATA VALUES) [Default = blank (•) blank (•)]	RIGHT DATA VALUES (CIRCLE )	Disarming Area 1
Area 1 Burg Output Silenced	1		1	Area 1 Burg Output Silenced
Area 2 Burg Output Silenced	2		2	Area 2 Burg Output Silenced
RESERVED	4		4	RESERVED
RESERVED	8		8	RESERVED

Disarming Area 2	LEFT DATA VALUES (CIRCLE )	<b>Pulsed Burg Output Turns Off upon Disarm</b> <b>ADDRESS 0746</b> LEFT DIGIT (SUM OF DATA VALUES)   RIGHT DIGIT (SUM OF DATA VALUES) [Default = blank (•) blank (•)]	RIGHT DATA VALUES (CIRCLE )	Disarming Area 1
Area 1 Pulsed Burg Output Silenced	1		1	Area 1 Pulsed Burg Output Silenced
Area 2 Pulsed Burg Output Silenced	2		2	Area 2 Pulsed Burg Output Silenced
RESERVED	4		4	RESERVED
RESERVED	8		8	RESERVED

Disarming Area 2	LEFT DATA VALUES (CIRCLE )	<b>PGM1 Output Turns Off upon Disarm</b> <b>ADDRESS 0747</b> LEFT DIGIT (SUM OF DATA VALUES)   RIGHT DIGIT (SUM OF DATA VALUES) [Default = blank (•) blank (•)]	RIGHT DATA VALUES (CIRCLE )	Disarming Area 1
Area 1 PGM1 Output Silenced	1		1	Area 1 PGM1 Output Silenced
Area 2 PGM1 Output Silenced	2		2	Area 2 PGM1 Output Silenced
RESERVED	4		4	RESERVED
RESERVED	8		8	RESERVED

Disarming Area 2	LEFT DATA VALUES (CIRCLE )	<b>PGM2 Output Turns Off upon Disarm</b> <b>ADDRESS 0749</b> LEFT DIGIT (SUM OF DATA VALUES)   RIGHT DIGIT (SUM OF DATA VALUES) [Default = blank (•) blank (•)]	RIGHT DATA VALUES (CIRCLE )	Disarming Area 1
Area 1 PGM2 Output Silenced	1		1	Area 1 PGM2 Output Silenced
Area 2 PGM2 Output Silenced	2		2	Area 2 PGM2 Output Silenced
RESERVED	4		4	RESERVED
RESERVED	8		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)

<b>Keypad 1 Type &amp; Area Assignment</b>	<b>ADDRESS 0723</b>	
	LEFT	RIGHT

[Default = blank (\*) 1]

<b>Keypad 2 Type &amp; Area Assignment</b>	<b>ADDRESS 0724</b>	
	LEFT	RIGHT

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

<b>Keypad 3 Type &amp; Area Assignment</b>	<b>ADDRESS 0725</b>	
	LEFT	RIGHT

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

<b>Keypad 4 Type &amp; Area Assignment</b>	<b>ADDRESS 0726</b>	
	LEFT	RIGHT

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

<b>Keypad 5 Type &amp; Area Assignment</b>	<b>ADDRESS 0727</b>	
	LEFT	RIGHT

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

<b>Keypad 6 Type &amp; Area Assignment</b>	<b>ADDRESS 0728</b>	
	LEFT	RIGHT

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


<b>Keypad 7 Type &amp; Area Assignment</b>	<b>ADDRESS 0729</b>	
	LEFT	RIGHT

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

**KEYPAD TYPE & AREA ASSIGNMENT:** 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 & area assignment for each keypad from the tables shown.

 2. Enter in corresponding right and left digit address locations above.

KEYPAD TYPE		KEYPAD AREA ASSIGNMENT	
LEFT	OPTION	RIGHT	OPTION
blank (*)	Burg Keypad	1	Area 1
2	Wizard Keypad*	2	Area 2


\* NOTE: Not for UL Installations.

KEYPAD NO.	KEYPAD OPTIONS				ADDRESS 0730-0736			KEYPAD OPTIONS			
	LEFT DATA VALUES (CIRCLE  )				LEFT	ADDR	RIGHT	RIGHT DATA VALUES (CIRCLE  )			
	RSRVD	PANEL ACCESS	EASY ARMING	AMBUSH				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).

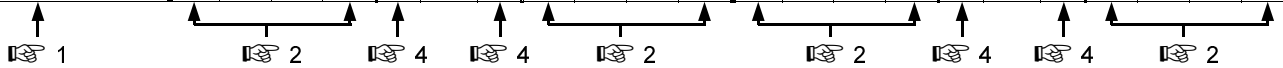
 2. Add the data values (ex: 15=1+2+4+8) from the selected options.

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

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

Zone Options / Zones 1-16

ZONE OPTIONS	ZONES 13-16 LEFT DATA VALUES (CIRCLE)				ADDRESS 0546-0595			ZONES 9-12 RIGHT DATA VALUES (CIRCLE)				ZONES 5-8 LEFT DATA VALUES (CIRCLE)				ADDRESS 0490-0540			ZONES 1-4 RIGHT DATA VALUES (CIRCLE)			
	ZN16	ZN15	ZN14	ZN13	L	ADDR	R	ZN12	ZN11	ZN10	ZN9	ZN8	ZN7	ZN6	ZN5	L	ADDR	R	ZN4	ZN3	ZN2	ZN1
	50ms Loop Response (A)	8	4	2	1	(+)		(+)	8	4	2	1	8	4	2	1		0490		8	4	2
✓ 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
Zone Area 2	8	4	2	1		0582		8	4	2	1	8	4	2	1		0527		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
Zone ANDing Group 1	8	4	2	1		0589		8	4	2	1	8	4	2	1		0534		8	4	2	1
Zone ANDing Group 2	8	4	2	1		0590		8	4	2	1	8	4	2	1		0535		8	4	2	1
Zone ANDing Group 3	8	4	2	1		0591		8	4	2	1	8	4	2	1		0536		8	4	2	1
Zone ANDing Group 4	8	4	2	1		0592		8	4	2	1	8	4	2	1		0537		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. Select the desired zone option.
2. Enable desired options for each zone by drawing a circle around its corresponding binary data value.
3. Search table below for data entry.
4. Enter data in address locations (left and right digits).

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

NOTE: No circle = feature disabled.

ZN04	ZN03	ZN02	ZN01
8	4	2	1

Draw Circle

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 ③ 1	3	8 4 ③ 1	B
8 4 ④ 1	4	8 4 ④ 1	C
8 ④ 2 1	5	8 ④ 2 1	D
8 ④ ② 1	6	8 ④ ② 1	E
8 ④ ③ 1	7	8 ④ ③ 1	F

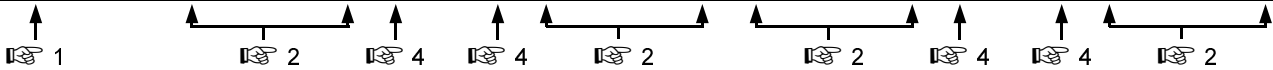
ADDRESS LOCATION		
L	ADDR	R
blank (+)	0490	1

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

NOTE: See Direct Address Programming Example on page 22.

## ZONE OPTIONS - ZONES 17 TO 32 (ADDRESS 0601-0705)

ZONE OPTIONS	ZONES 29-32 LEFT DATA VALUES (CIRCLE)				ADDRESS 0656-0705			ZONES 25-28 RIGHT DATA VALUES (CIRCLE)				ZONES 21-24 LEFT DATA VALUES (CIRCLE)				ADDRESS 0601-0650			ZONES 17-20 RIGHT DATA VALUES (CIRCLE)			
	ZN32	ZN31	ZN30	ZN29	L	ADDR	R	ZN28	ZN27	ZN26	ZN25	ZN24	ZN23	ZN22	ZN21	L	ADDR	R	ZN20	ZN19	ZN18	ZN17
	✓ Priority	8	4	2	1		0656		8	4	2	1	8	4	2	1		0601		8	4	2
Priority with Bypass	8	4	2	1		0657		8	4	2	1	8	4	2	1		0602		8	4	2	1
Auto-Bypass	8	4	2	1		0658		8	4	2	1	8	4	2	1		0603		8	4	2	1
✓ Selective Bypass	8	4	2	1		0659		8	4	2	1	8	4	2	1		0604		8	4	2	1
Keyswitch Arming	8	4	2	1		0660		8	4	2	1	8	4	2	1		0605		8	4	2	1
Auto-Bypass Re-entry	8	4	2	1		0661		8	4	2	1	8	4	2	1		0606		8	4	2	1
Pre-Alarm Warning	8	4	2	1		0662		8	4	2	1	8	4	2	1		0607		8	4	2	1
Never Arm	8	4	2	1		0663		8	4	2	1	8	4	2	1		0608		8	4	2	1
24-Hour Zone	8	4	2	1		0664		8	4	2	1	8	4	2	1		0609		8	4	2	1
✓ Alarm Output	8	4	2	1		0665		8	4	2	1	8	4	2	1		0610		8	4	2	1
✓ Pulsed Alarm Output	8	4	2	1		0666		8	4	2	1	8	4	2	1		0611		8	4	2	1
✓ PGM1 Output	8	4	2	1		0667		8	4	2	1	8	4	2	1		0612		8	4	2	1
PGM2 Output	8	4	2	1		0668		8	4	2	1	8	4	2	1		0613		8	4	2	1
✓ Entry/Exit 1	8	4	2	1		0669		8	4	2	1	8	4	2	1		0614		8	4	2	1
Entry/Exit 2	8	4	2	1		0670		8	4	2	1	8	4	2	1		0615		8	4	2	1
✓ Exit/Entry Follower	8	4	2	1		0671		8	4	2	1	8	4	2	1		0616		8	4	2	1
✓ Auto Reset	8	4	2	1		0672		8	4	2	1	8	4	2	1		0617		8	4	2	1
✓ Swinger Shutdown	8	4	2	1		0673		8	4	2	1	8	4	2	1		0618		8	4	2	1
✓ Chime	8	4	2	1		0674		8	4	2	1	8	4	2	1		0619		8	4	2	1
Abort Delay	8	4	2	1		0675		8	4	2	1	8	4	2	1		0620		8	4	2	1
Power-up Delay	8	4	2	1		0676		8	4	2	1	8	4	2	1		0621		8	4	2	1
Day Zone Open	8	4	2	1		0677		8	4	2	1	8	4	2	1		0622		8	4	2	1
Day Zone Short	8	4	2	1		0678		8	4	2	1	8	4	2	1		0623		8	4	2	1
Alarm on Day Zone	8	4	2	1		0679		8	4	2	1	8	4	2	1		0624		8	4	2	1
✓ Alarm Telco 1	8	4	2	1		0680		8	4	2	1	8	4	2	1		0625		8	4	2	1
Alarm Restore 1	8	4	2	1		0681		8	4	2	1	8	4	2	1		0626		8	4	2	1
Trouble Telco 1	8	4	2	1		0682		8	4	2	1	8	4	2	1		0627		8	4	2	1
Trouble Restore 1	8	4	2	1		0683		8	4	2	1	8	4	2	1		0628		8	4	2	1
Alarm Telco 3	8	4	2	1		0684		8	4	2	1	8	4	2	1		0629		8	4	2	1
Alarm Restore 3	8	4	2	1		0685		8	4	2	1	8	4	2	1		0630		8	4	2	1
Trouble Telco 3	8	4	2	1		0686		8	4	2	1	8	4	2	1		0631		8	4	2	1
Trouble Restore 3	8	4	2	1		0687		8	4	2	1	8	4	2	1		0632		8	4	2	1
No EOL Resistor	8	4	2	1		0688		8	4	2	1	8	4	2	1		0633		8	4	2	1
Trouble on Open	8	4	2	1		0689		8	4	2	1	8	4	2	1		0634		8	4	2	1
Trouble on Short	8	4	2	1		0690		8	4	2	1	8	4	2	1		0635		8	4	2	1
✓ Zone Area 1	8	4	2	1		0691		8	4	2	1	8	4	2	1		0636		8	4	2	1
Zone Area 2	8	4	2	1		0692		8	4	2	1	8	4	2	1		0637		8	4	2	1
RESERVED	8	4	2	1	(*)	0693	(*)	8	4	2	1	8	4	2	1	(*)	0638	(*)	8	4	2	1
Keypad Sounder on Alarm	8	4	2	1		0694		8	4	2	1	8	4	2	1		0639		8	4	2	1
✓ Fire (C)	8	4	2	1		0696		8	4	2	1	8	4	2	1		0641		8	4	2	1
Fire Alarm Verification (C)	8	4	2	1		0697		8	4	2	1	8	4	2	1		0642		8	4	2	1
Zone ANDing Group 1	8	4	2	1		0699		8	4	2	1	8	4	2	1		0644		8	4	2	1
Zone ANDing Group 2	8	4	2	1		0700		8	4	2	1	8	4	2	1		0645		8	4	2	1
Zone ANDing Group 3	8	4	2	1		0701		8	4	2	1	8	4	2	1		0646		8	4	2	1
Zone ANDing Group 4	8	4	2	1		0702		8	4	2	1	8	4	2	1		0647		8	4	2	1
Sensor Watch	8	4	2	1		0703		8	4	2	1	8	4	2	1		0648		8	4	2	1
RESERVED	8	4	2	1	(*)	0704	(*)	8	4	2	1	8	4	2	1	(*)	0649	(*)	8	4	2	1
Chime 2	8	4	2	1		0705		8	4	2	1	8	4	2	1		0650		8	4	2	1



**NOTES:** (A) 50ms Loop Response only available for zones 1-8.  
 (B) 2-wire Smoke Detectors only available for zones 7 & 8. (Address Location 0530 can only be programmed as "blank (\*) blank (\*)", "4 blank (\*)", "8 blank (\*)" or "C blank (\*)".)  
 (C) If Fire Alarm Verification is selected, then Fire must also be selected.

- DEFAULTS:** The zone options indicated are automatically set after exiting the Easy Menu Driven Mode.
- ✓ Priority, Selective Bypass, Alarm Output, Auto Reset, Swinger Shutdown and Zone Area 1 are enabled for the total number of zones entered in "# OF ZONES IN AREA1 ENTER # ZONES".
  - ✓ Alarm Telco 1 is enabled for the zone number(s) entered in "REPORT ALL ZONES TO CENTRAL ZONES? Y/N".
  - ✓ Entry/Exit 1 and Chime are enabled for the zone number(s) entered in "ENTRY/EXIT ZONES ENTER ZONE #".
  - ✓ Exit/Entry Follower and Interior Bypass are enabled for the zone number(s) entered in "INTERIOR ZONES ENTER ZONE #".
  - ✓ Pulse Alarm Output is enabled for the zone number(s) entered in "FIRE ZONES ENTER ZONE #" or "2-WIRE FIRE ZNS ENTER ZONE #".
  - ✓ Fire is enabled for the zone number(s) entered in "FIRE ZONES ENTER ZONE #".
  - ✓ 2-Wire Smoke Detector is enabled for the zone number(s) entered in "2-WIRE FIRE ZNS ENTER ZONE #".

Zone Options / Zones 17-32

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

Number of RF Receivers	ADDRESS 1180		DATA ENTRIES	RF Receiver(s)
	LEFT	RIGHT		
	blank (*)		RIGHT	
			blank (*)	
			None	
			1	1
			2	2

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

- RF RECEIVERS:** Up to 2 RF Receivers may be programmed.  
**NOTE:** This adds wireless capability to the system, increasing the number of zones up to 32.
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/NO 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).

# EXTERNAL RELAY CONTROL (ADDRESS 0750-0829)

ADDRESS 0750-0754 (RELAY EVENT 1)									
0750		0751		0752		0753		0754	
L	R	L	R	L	R	L	R	L	R
(*)		(*)							

ADDRESS 0755-0759 (RELAY EVENT 2)									
0755		0756		0757		0758		0759	
L	R	L	R	L	R	L	R	L	R
(*)		(*)							

ADDRESS 0760-0764 (RELAY EVENT 3)									
0760		0761		0762		0763		0764	
L	R	L	R	L	R	L	R	L	R
(*)		(*)							

ADDRESS 0765-0769 (RELAY EVENT 4)									
0765		0766		0767		0768		0769	
L	R	L	R	L	R	L	R	L	R
(*)		(*)							

ADDRESS 0770-0774 (RELAY EVENT 5)									
0770		0771		0772		0773		0774	
L	R	L	R	L	R	L	R	L	R
(*)		(*)							

ADDRESS 0775-0779 (RELAY EVENT 6)									
0775		0776		0777		0778		0779	
L	R	L	R	L	R	L	R	L	R
(*)		(*)							

ADDRESS 0780-0784 (RELAY EVENT 7)									
0780		0781		0782		0783		0784	
L	R	L	R	L	R	L	R	L	R
(*)		(*)							

ADDRESS 0785-0789 (RELAY EVENT 8)									
0785		0786		0787		0788		0789	
L	R	L	R	L	R	L	R	L	R
(*)		(*)							

ADDRESS 0790-0794 (RELAY EVENT 9)									
0790		0791		0792		0793		0794	
L	R	L	R	L	R	L	R	L	R
(*)		(*)							

ADDRESS 0795-0799 (RELAY EVENT 10)									
0795		0796		0797		0798		0799	
L	R	L	R	L	R	L	R	L	R
(*)		(*)							

ADDRESS 0800-0804 (RELAY EVENT 11)									
0800		0801		0802		0803		0804	
L	R	L	R	L	R	L	R	L	R
(*)		(*)							

ADDRESS 0805-0809 (RELAY EVENT 12)									
0805		0806		0807		0808		0809	
L	R	L	R	L	R	L	R	L	R
(*)		(*)							

ADDRESS 0810-0814 (RELAY EVENT 13)									
0810		0811		0812		0813		0814	
L	R	L	R	L	R	L	R	L	R
(*)		(*)							

ADDRESS 0815-0819 (RELAY EVENT 14)									
0815		0816		0817		0818		0819	
L	R	L	R	L	R	L	R	L	R
(*)		(*)							

ADDRESS 0820-0824 (RELAY EVENT 15)									
0820		0821		0822		0823		0824	
L	R	L	R	L	R	L	R	L	R
(*)		(*)							

ADDRESS 0825-0829 (RELAY EVENT 16)									
0825		0826		0827		0828		0829	
L	R	L	R	L	R	L	R	L	R
(*)		(*)							

[Default = blank (\*) blank (\*) from address 0750-0829]

**RELAY # OPTIONS:** Each relay event can be assigned to any of the 8 available external relays from Relay Module RM3008. Multiple relay events can drive the same External Relay.

☞ 1. Select the relay from the table shown; enter in corresponding right digit address location (left digit is not used).

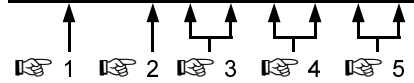
DATA ENTRY RIGHT	RELAY #
blank (*)	NONE
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8

RELAY EVENT OPTIONS									
RELAY #		AREA		Timeout		Event ID		COND.	
L	R	L	R	L	R	L	R	L	R
(*)		(*)							

**AREA OPTIONS:** Each relay event can be assigned to Area 1, Area 2 or both Area 1 & Area 2.

☞ 2. Select the area from the table shown; enter in corresponding right digit address location (left digit is not used).

DATA ENTRY RIGHT	OFF/ON AREA DISARM
blank (*)	NONE
1	Area 1
2	Area 2
3	Area 1 & Area 2



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

☞ 3. If Alarm Type (see next page) is selected for timeout in minutes or seconds, select the timeout from the table shown in minutes or seconds and enter in corresponding address location (left digit and right digits).

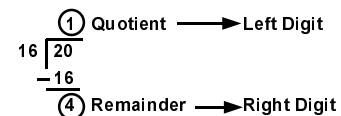
TIMEOUTS (Alarm Type is selected for Timeout Type in min. or sec.)		
DATA ENTRIES		TIMEOUT
LEFT	RIGHT	
blank (*)	blank (*)	0 min./sec.
blank (*)	1	1 min./sec.
blank (*)	2	2 min./sec.
blank (*)	3	3 min./sec.
blank (*)	4	4 min./sec.
blank (*)	5	5 min./sec.
blank (*)	6	6 min./sec.
blank (*)	7	7 min./sec.
blank (*)	8	8 min./sec.
blank (*)	9	9 min./sec.
blank (*)	0	10 min./sec.

TIMEOUTS (Alarm Type is selected for Timeout Type in min. or sec.)		
DATA ENTRIES		TIMEOUT
LEFT	RIGHT	
blank (*)	B	11 min./sec.
blank (*)	C	12 min./sec.
blank (*)	D	13 min./sec.
blank (*)	E	14 min./sec.
blank (*)	F	15 min./sec.
1	blank (*)	16 min./sec.
1	1	17 min./sec.
1	2	18 min./sec.
1	3	19 min./sec.
1	4	20 min./sec.
1	5	21 min./sec.

TIMEOUTS (Alarm Type is selected for Timeout Type in min. or sec.)		
DATA ENTRIES		TIMEOUT
LEFT	RIGHT	
1	6	11 min./sec.
1	7	12 min./sec.
1	8	13 min./sec.
1	9	14 min./sec.
1	0	15 min./sec.
1	B	16 min./sec.
1	C	17 min./sec.
1	D	18 min./sec.
F	F	255 min./sec.

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

- A. Choose a desired delay/timeout, ex: 20 min.
- B. Divide it by 16



EVENT ID CODES & CONDITIONS ARE ON NEXT PAGE

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

4. Select 2-digit Event ID from the table shown; enter in corresponding address locations (left and right digit).

EVENT ID CODES		
DATA ENTRIES		OPTION
LEFT	RIGHT	
blank (*)	blank (*)	Area 1 Arm
blank (*)	1	Area 2 Arm
blank (*)	8	Zone 1
blank (*)	9	Zone 2
blank (*)	0	Zone 3
blank (*)	B	Zone 4
blank (*)	C	Zone 5
blank (*)	D	Zone 6
blank (*)	E	Zone 7
blank (*)	F	Zone 8
1	blank (*)	Zone 9
1	1	Zone 10
1	2	Zone 11
1	3	Zone 12
1	4	Zone 13
1	5	Zone 14
1	6	Zone 15
1	7	Zone 16
1	8	Zone 17
1	9	Zone 18
1	0	Zone 19
1	B	Zone 20
1	C	Zone 21
1	D	Zone 22
1	E	Zone 23
1	F	Zone 24
2	blank (*)	Zone 25
2	1	Zone 26
2	2	Zone 27
2	3	Zone 28
2	4	Zone 29
2	5	Zone 30
2	6	Zone 31
2	7	Zone 32
3	blank (*)	Area 1 KP Ambush
3	1	Area 1 KP Panic
3	2	Area 1 KP Fire
3	3	Area 1 KP Aux *
3	4	Area 1 KP Tamper
3	5	Area 1 Fail to Open
3	6	Area 1 Fail to Close
3	8	Area 2 KP Ambush
3	9	Area 2 KP Panic
3	0	Area 2 KP Fire
3	B	Area 2 KP Aux *
3	C	Area 2 KP Tamper
3	D	Area 2 Fail to Open

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

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

**RELAY EVENT CONDITION OPTIONS:** Each relay event can be assigned an alarm type; and an activation condition; also, select a timeout type for each.

5A. Select Alarm Type and Timeout Type from the table shown; enter in corresponding address location (left digit). **NOTE:** Select timeout from previous page.

5B. Select Activation from the table shown; enter in corresponding address location (right digit).

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

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



## CLEAR PROGRAM OPTIONS (ADDRESS 1197 & 1198)

1197 XX

GEM-RP1CAe2 Keypad

### ***Clear Dealer Program (Erases Dealer Program)***



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

1197XX

GEM-RP2ASe2 Keypad

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)***



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

1198XX

GEM-RP2ASe2 Keypad


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.

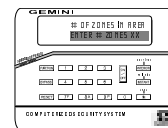
 The Program Mode cannot be accessed while the communicator is transmitting except during the first three minutes after power-up.

 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  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  button to manually scroll the display at the end of each programming line.

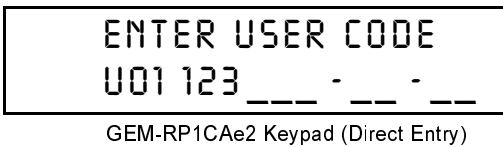


## ACCESSING USER PROGRAM MODE

1. Press 

← New Panel (Default User Code = 123) →  
Existing Panel (Any Code with User Program Option Enabled)
2. Press Until "ACTIVATE PROGRAM Y/N" (GEM-RP1CAe2) or "TURNON PROG Y/N" (GEM-RP2ASe2) appears on LCD screen.
3. Press To Enter User Program Mode
4. Press To Exit User Program Mode when finished

## USER CODES



Up to 32 User Codes may be programmed.  
**NOTE:** In this mode, only the code is programmable; the accompanying Area Options must be programmed in the Dealer Program Mode (see page 8).

- ☞ Use the button to place the cursor over the User Number.
- ☞ Enter a User Number (01–32) using the number buttons. The cursor will then advance to the User Code and read the existing code, if any.

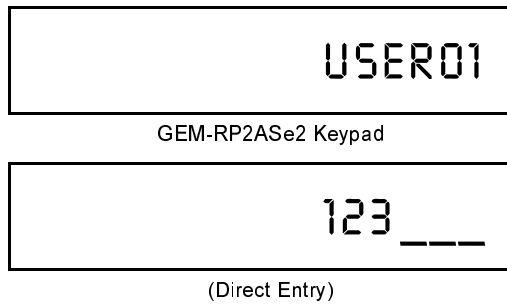
**To Program User Codes**

1. Set Cursor Position using the button.
2. Enter 2-digit User Number (01-32) directly using number buttons (0-9).
3. Enter Code (1-6 digits) directly using number buttons (0-9).
4. Press the button to save each code.

**NOTE:** Press button to clear character at cursor.  
 To continue press or .

### 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 button.
- ☞ Press the button to save the code in memory.
- ☞ Repeat this procedure for each user. To proceed to Zone-Description programming, press the NEXT () button or the PRIOR () button.



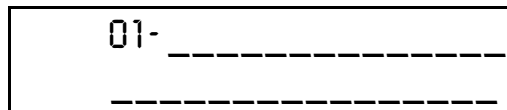
**To Program User Codes**

1. Enter 2-digit User Number (01-32) 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.


**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)



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**.

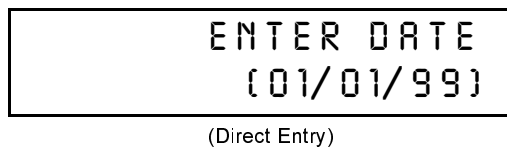
**To Program Zone Descriptions**

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

**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** (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.

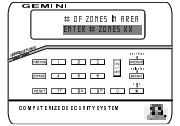


**Enter Time** (Press the (**FUNCTION**) button to set cursor.)

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 at the GEM-RP1CAe2 keypad version 6 or greater must be used.

# 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-P1632: 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.

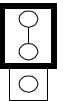
### Configuring the GEM-RP1CAe2 Keypad

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       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  button (the  button will toggle the tactile beep on and off).

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

ENTRY SOUNDER ON

### Entry Sounder

To turn off the keypad sounder during entry time, press the  button (the  button will toggle the tactile beep on and off). Press the  button to continue or press the  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  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  button to continue or press the  button to exit.

NEW COMPAT# 0000

**Compatibility Number (Not Applicable)**

THIS FEATURE IS NOT COMPATIBLE WITH THE GEM-P1632 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, however 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  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  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-P1632 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).

## 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			PARK
	1	2	3	
1	OFF or ON*	OFF	OFF	STORE SPARE JUMPER AT THIS POSITION
2	OFF	ON	OFF	
3	ON	ON	OFF	
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 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  
 For Sales and Repairs, call toll free: (800) 645-9445  
 For direct line to Technical Service, call toll free: (800) 645-9440  
 Internet: <http://www.napcosecurity.com>

# EASY MENU PROGRAMMING WORKSHEET - 1 OF 3

<b>Name:</b>	<b>Address:</b>
<b>Account Number:</b>	<b>Installer:</b>

**Area 1: # of Zones (1-32) =**   **Zone Doubling?:** Yes  No  **Area 1: # of Keypads (1-8) =**

**NOTE:** Area 2 Zones and Keypads are selected in Direct Address Mode. See Zone Options and Keypad Options.

**Enter Fire Zones (1-32):** \_\_\_\_\_ **2-Wire Fire Zones?:** Zone 7 Yes  No  Zone 8 Yes  No

**Enter Entry/Exit Zones (1-32):** \_\_\_\_\_ **Enter Interior Zones (1-32):** \_\_\_\_\_

**Report all Zones to Central?:** Yes  No

**Central Station Receiver 1 Telephone Number:**

**Central Station Receiver 1 Account Number:**

**Central Station Receiver 1 Format:**

- |  |   |
|--|---|
| <input type="checkbox"/> blank (*) = Ademco Slow, Silent Knight Slow<br><input type="checkbox"/> 2 = Radionics Fast<br><input type="checkbox"/> 3 = Silent Knight Fast<br><input type="checkbox"/> 4 = Radionics, DCI, Franklin Slow | <input type="checkbox"/> 5 = Universal High Speed<br><input type="checkbox"/> B = SIA<br><input type="checkbox"/> C = Ademco Point ID<br><input type="checkbox"/> E = Pager |
|--|---|

**User Codes:**

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

USER #	CODE (up to 6 digits)	AREA 1 OPTIONS	AREA 2 OPTIONS
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			



# 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								

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

**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):**

Easy Menu Programming Worksheets - 3 of 3

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																													
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26																													
27																													
28																													
29																													
30																													
31																													
32																													

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

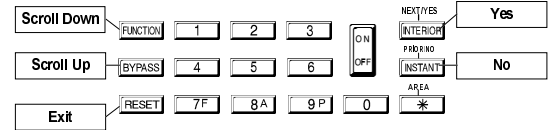
Dealer Code:

# KEYPAD PROGRAMMING MODES

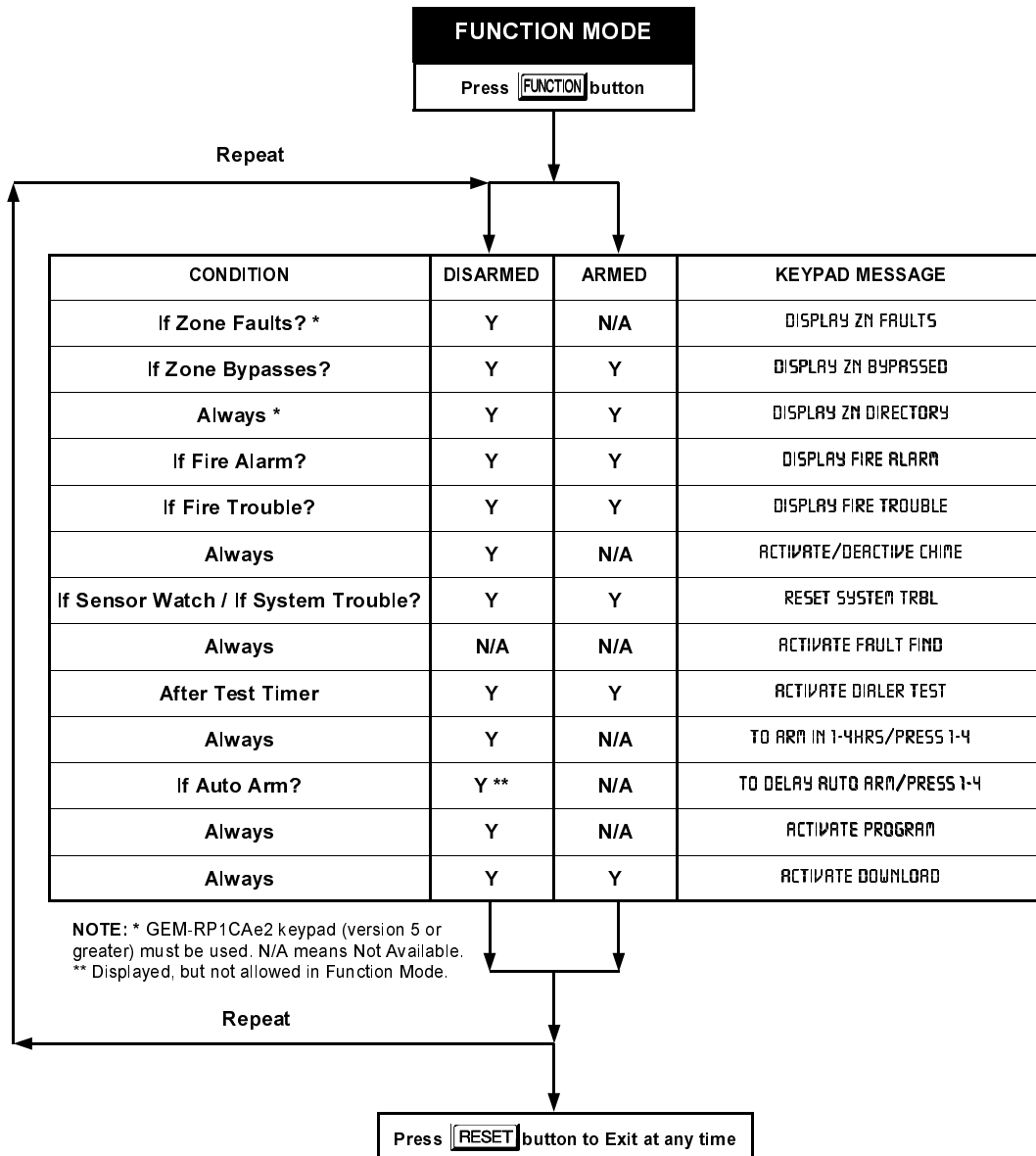
**Note:**

- 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 FAULT5'). It will require a faulted zone to display or the required condition to be present.

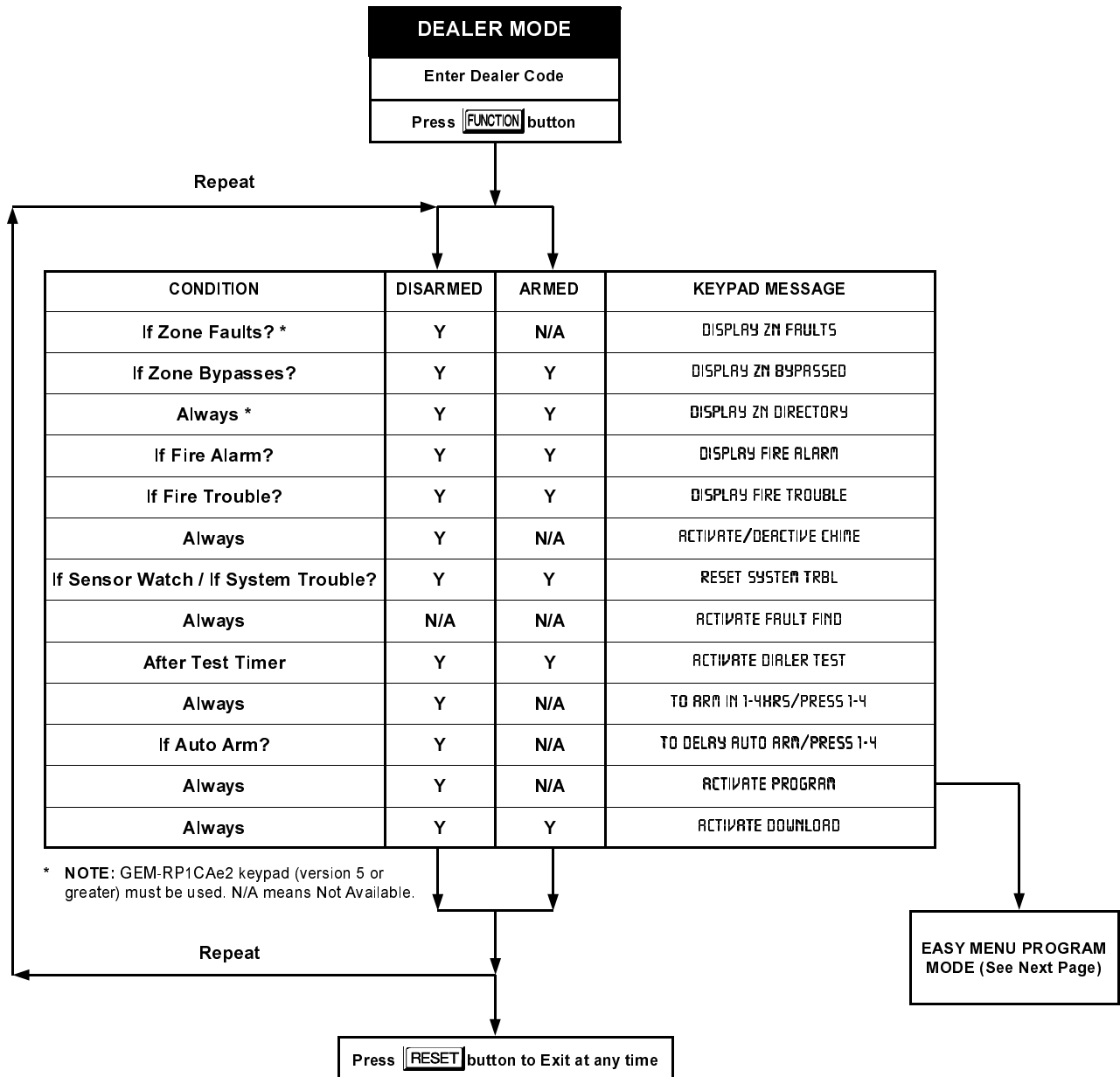
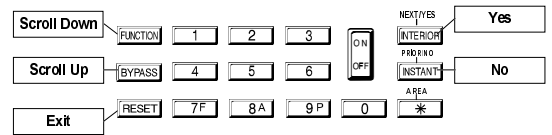
**FUNCTION MODE**



Keypad Programming Modes: Function Mode

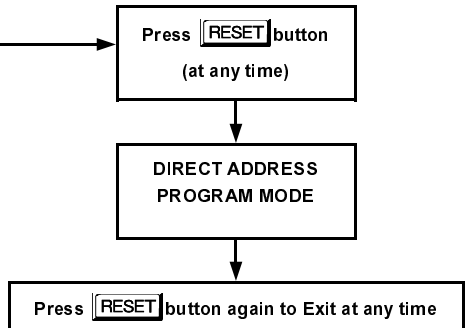
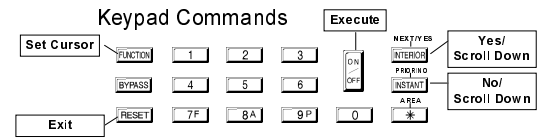
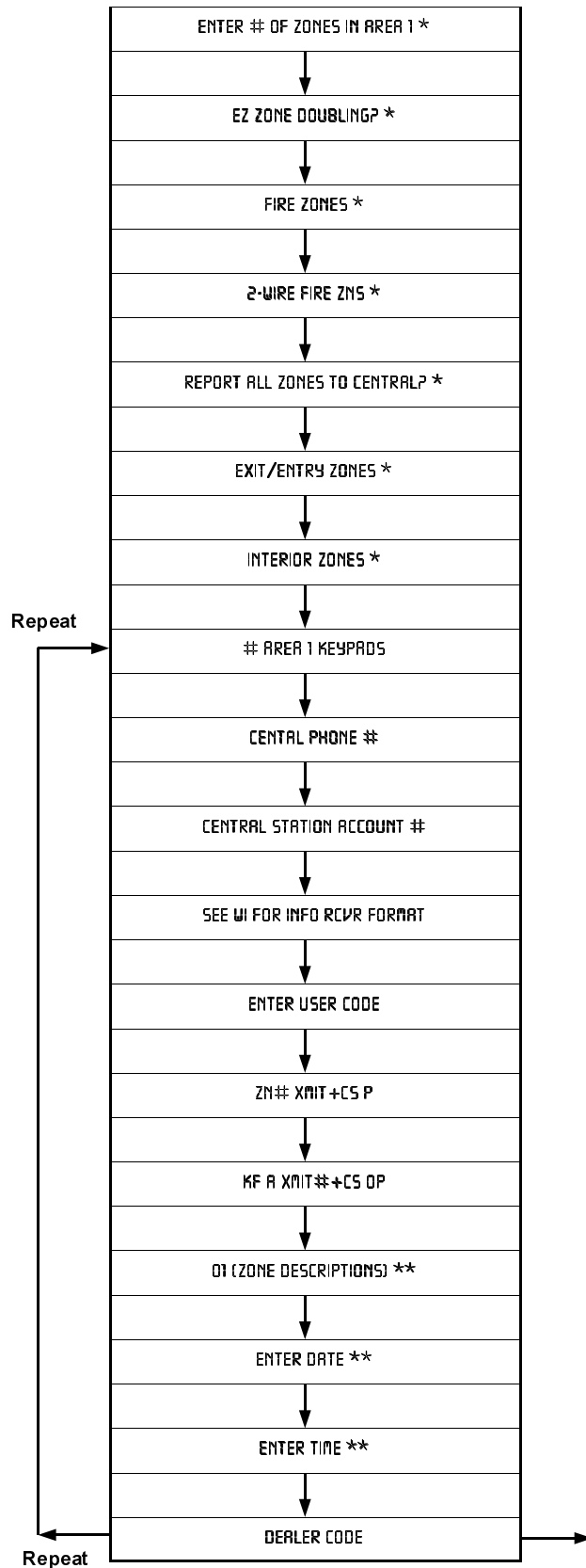


**DEALER MODE**



Keypad Programming Modes: Dealer Mode

EASY MENU MODE

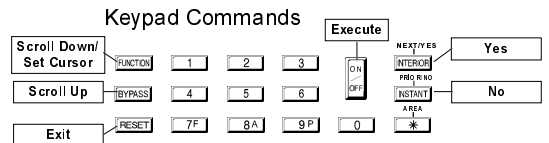
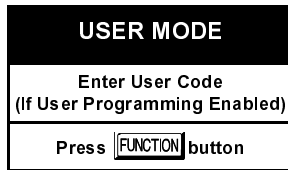


\* Initial Configuration only (New or Memory Cleared Panel); suppressed thereafter. Normal entry mode for previously programmed panel starts at “# AREA 1 KEYPADS”.

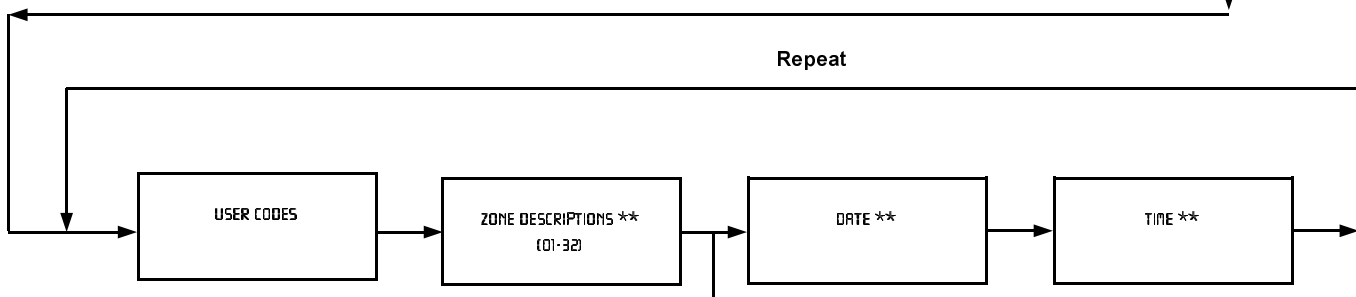
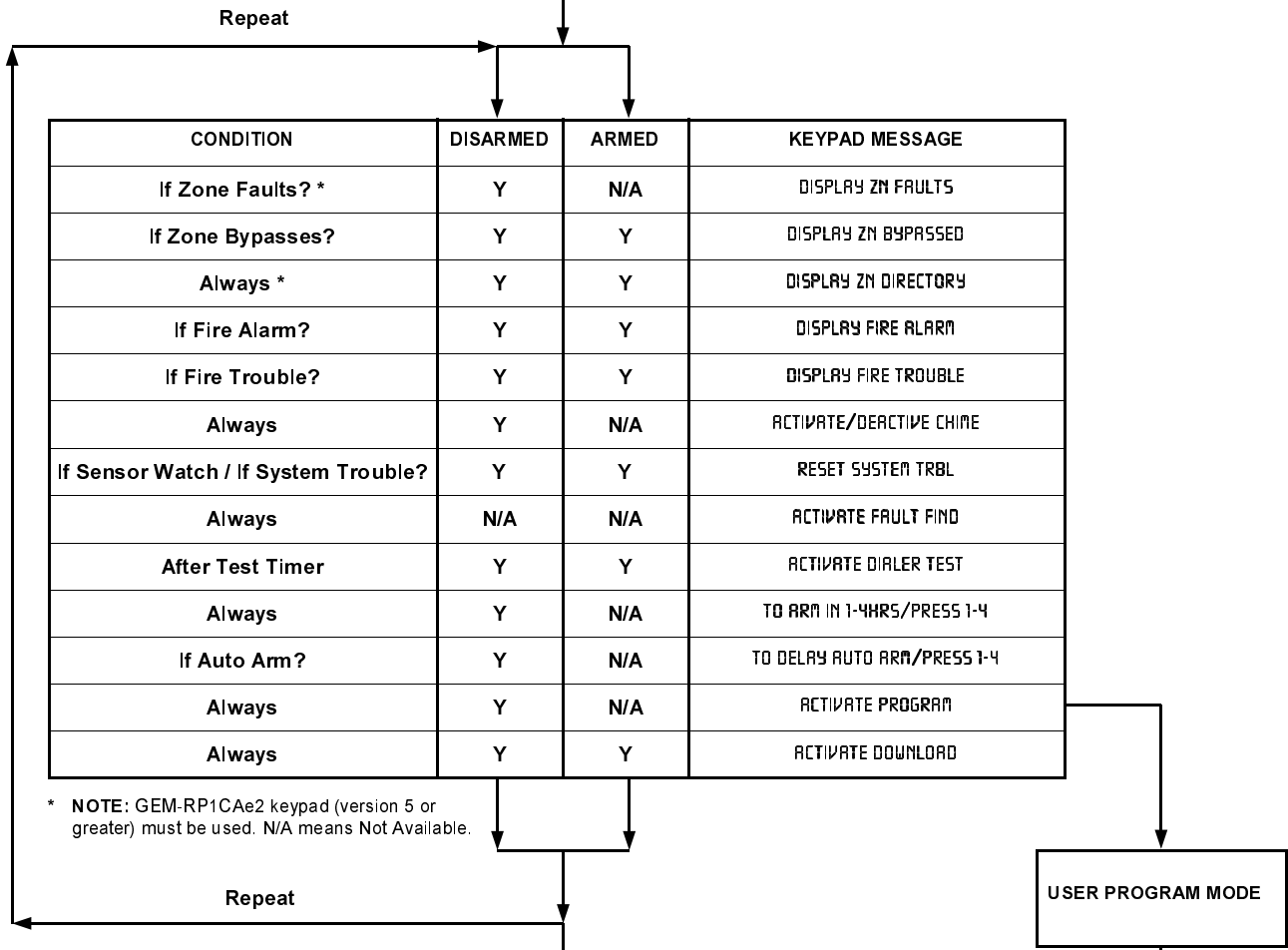
\*\* Not available in GEM-RP2AS/RP2ASe/RP2ASe2 keypads.

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

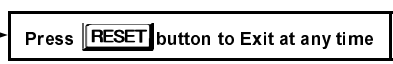
**USER MODE**



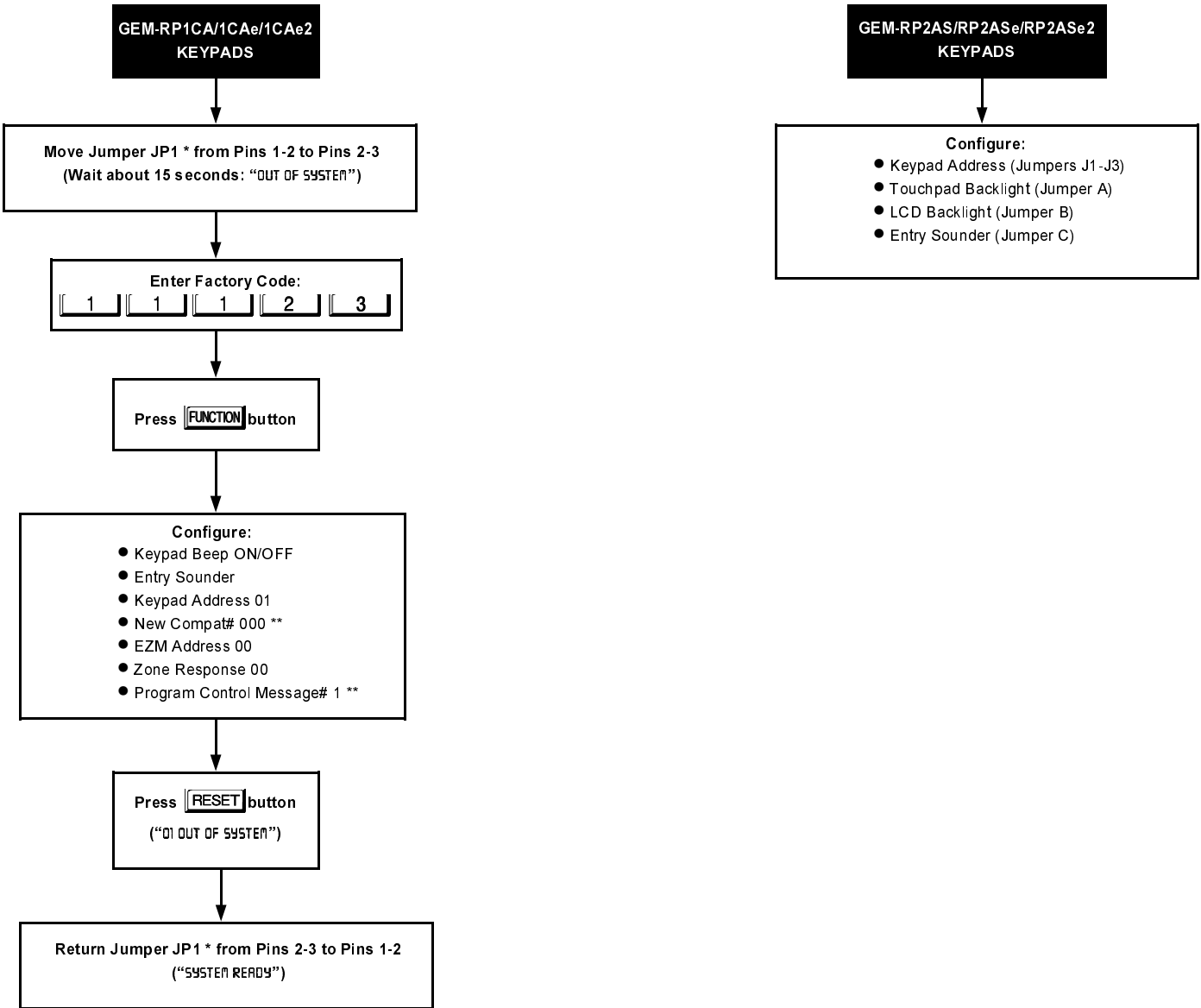
**Keypad Programming Modes: User Mode**



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



**KEYPAD CONFIGURATION MODE**



\* 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  or  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  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.

## ACCESSING DEALER PROGRAM MODE

### Accessing Easy Menu Mode

1. Press       

↙ Dealer Code (Default = 456789) ↘
2. Press  Until "ACTIVATE PROGRAM Y/N" (GEM-RP1CAe2) or "TURNON PROG Y/N" (GEM-RP2ASe2) appears on LCD screen.
3. Press  To Enter Easy Menu Program Mode
4. Press   To Exit Easy Menu Driven Program Mode

### Accessing Direct Address Mode

1. Press       

↙ Dealer Code (Default = 456789) ↘
2. Press  Until "ACTIVATE PROGRAM Y/N" (GEM-RP1CAe2) or "TURNON PROG Y/N" (GEM-RP2ASe2) appears on LCD screen.
3. Press  To Enter Easy Menu Program Mode
4. Press  To Exit Easy Menu Driven Program Mode & Enter Direct Address Program Mode
5. Press  To Exit Direct Address Program Mode

## ACCESSING USER PROGRAM MODE

1. Press       

↙ New Panel (Default User Code = 123) ↘  
Existing Panel (Any Code with User Program Option Enabled)
2. Press  Until "ACTIVATE PROGRAM Y/N" (GEM-RP1CAe2) or "TURNON PROG Y/N" (GEM-RP2ASe2) appears on LCD screen.
3. Press  To Enter User Program Mode
4. Press  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.

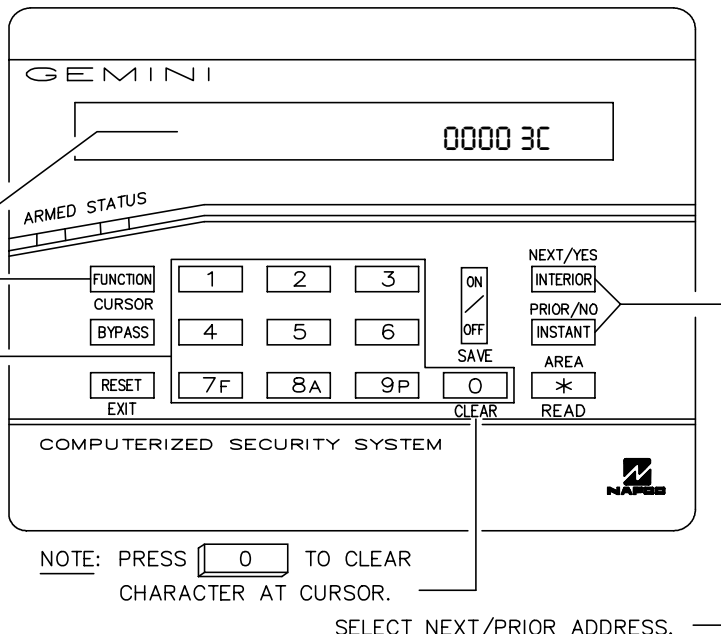
1. TOGGLE CURSOR TO  
4-DIGIT ADDRESS FIELD  
USING **[FUNCTION]** BUTTON.

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.

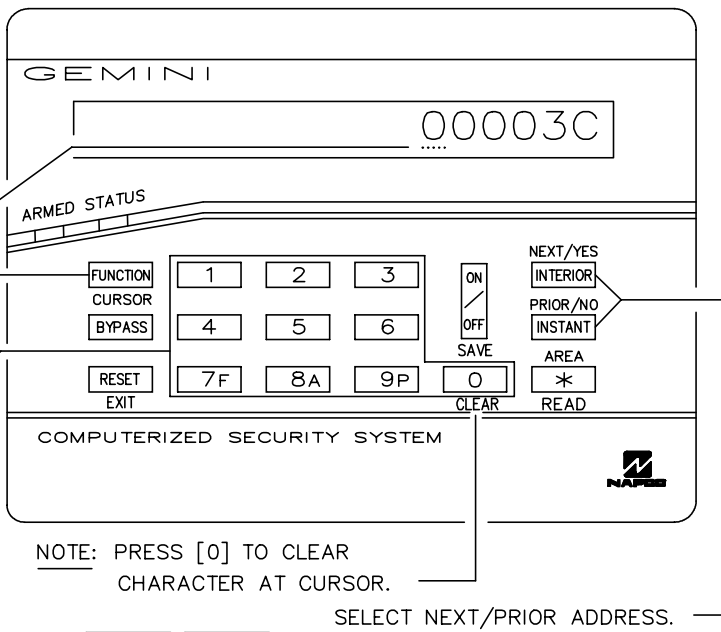
1. TOGGLE CURSOR TO 4-DIGIT  
ADDRESS FIELD USING  
**[FUNCTION]** BUTTON.

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.

# 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, 0619 & 0674	36 & 37
Chime 2	Direct Address	0540, 0595, 0650 & 0705	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 (Area 1)	Direct Address	0227-0270, 0287-0290 & 0307-0310	30
CS Telco 1, 2 & 3 Subscriber Event ID Numbers (Area 2)	Direct Address	0271-0274, 0291-0294 & 0311-0314	30
CS Telco 1, 2 & 3 Subscriber Opening/Closing ID Numbers (Area 1)	Direct Address	0259-0262, 0279-0282 & 0299-0302	30
CS Telco 1, 2 & 3 Subscriber Opening/Closing ID Numbers (Area 2)	Direct Address	0263-0266, 0291-0294 & 0303-0306	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	0737-0742	33
Enable Manager's Mode	Direct Address	0719	27
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 Doubling	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
Include Select/Group Bypass in Conditional Close/Status	Direct Address	0718	27
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

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, 0648 & 0703	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 00-32 & 97-99)	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 1-32)	Direct Address	0358-0389	31

# GEM-P1632 WIRING DIAGRAM

## GEM-P1632 Wiring Diagram

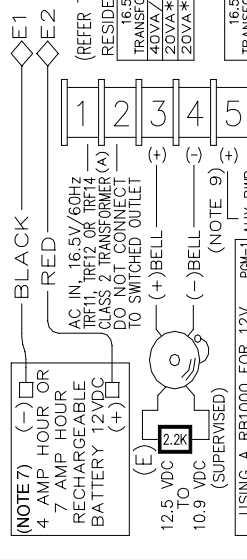
**NAPCO SECURITY SYSTEMS, INC.**  
AMITYVILLE, N.Y. 11701



This equipment should be installed in accordance with Chapter 2 of the National Fire Alarm Code, ANSI/NFPA 72-1996 (National Fire Protection Association Batterymarch Park, Quincy, MA 02269), and local codes. Information describing proper installation, operation, testing, maintenance, evacuation planning, and repair service is to be provided with this equipment. UL Listed Limited Energy Cable is required.

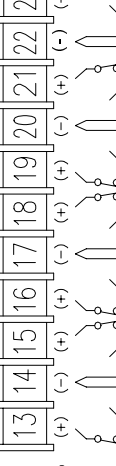
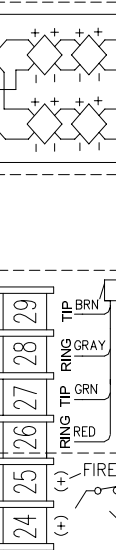
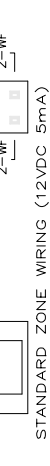
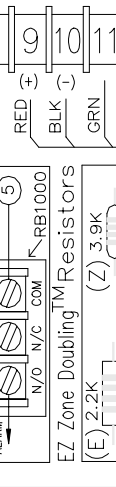
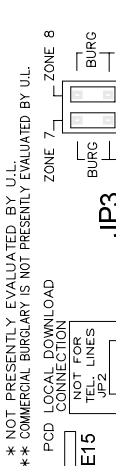
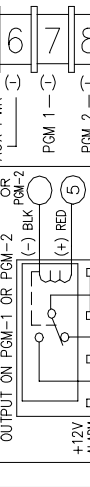
### GEM-P1632 WIRING DIAGRAM

(REFER TO OPERATION AND INSTALLATION INSTRUCTIONS W808)



RESIDENTIAL FIRE		COMBINED		STANDBY	
TRANSFORMER	BATTERY	STANDBY CURRENT	ALARM CURRENT	STANDBY TIME	ALARM TIME
40VA/50VA	7AH	650mA	250mA(1)	24 HOURS	24 HOURS
20VA *	7AH	500mA	360mA(1)	24 HOURS	24 HOURS
20VA *	2-7AH	500mA	120mA(1)	24 HOURS	24 HOURS
20VA *	2-7AH	500mA	120mA(1)	24 HOURS	24 HOURS

(1) ALARM CURRENT CAN BE INCREASED BY REDUCING STANDBY CURRENT BY THE SAME AMOUNT.  
\*\* NOT PRESENTLY EVALUATED BY U.L.  
\*\* COMMERCIAL BURGLARY IS NOT PRESENTLY EVALUATED BY U.L.



- NOTES:**
- ALARM CURRENT CAN BE INCREASED BY REDUCING STANDBY CURRENT BY THE SAME AMOUNT.
  - THE FOLLOWING DEVICES MAY BE PLACED ON THE REMOTE BUS: GEMARPC-Ae2, GEM-HP2Ase2, GEM-EZM816, GEM-X10, GEM-REC16, GEM-REC16, RM6008, GEM-EV1, WIZARDZ AND GEM-REC99.
  - REFER TO W808 FOR U.L. LISTINGS
  - COMBINED STANDBY CURRENT = KEYPAD CURRENT + FIRE POWER + PGM1 AND PGM2 CURRENT.
  - UNIT INTENDED TO BE MOUNTED VERTICAL ON WALL.
  - REFER TO W808 FOR COMPATIBLE TWO WIRE SMOKE DETECTORS. DO NOT MIX DIFFERENT MODELS.
  - RECOMMENDED BATTERIES YUASA NP4-12 OR NP7-12. BATTERY SHOULD BE REPLACED EVERY 5 YEARS.
  - THIS PANEL SHALL BE CHECKED BY A QUALIFIED TECHNICIAN AT LEAST ONCE EVERY 3 YEARS.
  - AUX POWER AND FIRE POWER VOLTAGE RATING: 12.5 VDC TO 11.7 VDC.
  - A.C. MUST BE DISCONNECTED WHEN PERFORMING WEEKLY TESTS.
  - THIS PANEL ONLY SUPPORTS ONE SMOKE DETECTOR IN ALARM FOR EACH ZONE.

LA1469B