

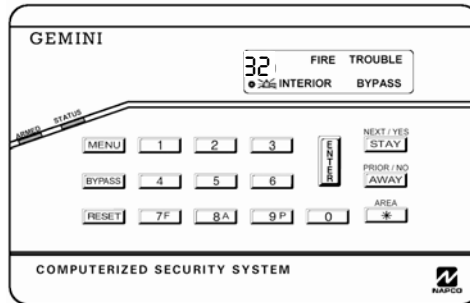


# PROGRAMMING INSTRUCTIONS

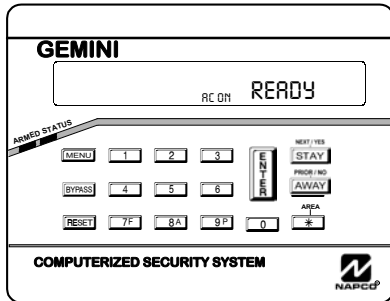


## GEM-P3200 CONTROL PANEL/COMMUNICATOR

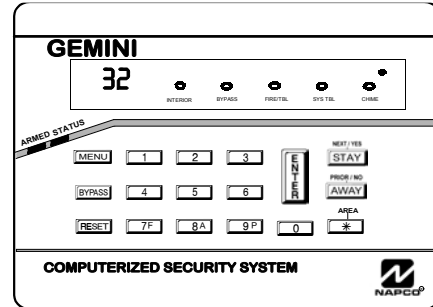
Programming the GEM-P3200 Control Panel with the "Classic" GEM-RP2ASe2, GEM-RP3DGTL, and GEM-RP4RFC/GEM-RP4C Keypads and the "K Series" GEM-K2AS, GEM-K3DGTL, and GEM-K4RF/GEM-K4 Keypads



"K Series" GEM-K4RF



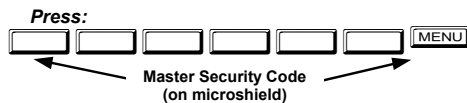
"K Series" GEM-K2AS



"K Series" GEM-K3DGTL

### Quick Start (for GEM-K2ASe2):

1. Refer to the wiring diagram, connect Siren, Aux. Power, PGM Output, Remote Bus, Earth Ground, Zone and Telephone Wiring. NOTE: See Installation Instructions (WI817).
2. Connect AC power first and then the battery.
3. Configure the keypad (see page 43).
4. Access the Easy Menu Driven (Dealer Program) Mode:

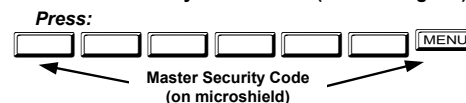


Press NO until "TURNON PR0G 4/N" appears on the keypad display.

Press NEXT/YES to enter Dealer Program Mode. See p. 20

### Quick Start (for GEM-K3DGTL):

1. Refer to the wiring diagram, connect Siren, Aux. Power, PGM Output, Remote Bus, Earth Ground, Zone and Telephone Wiring. NOTE: See Installation Instructions (WI817).
2. Connect AC power first and then the battery.
3. Configure the keypad (see page 43).
4. Access the Easy Menu Driven (Dealer Program) Mode:



Press NO until "17" appears on the keypad display.







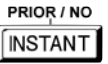

Press NEXT/YES to enter Dealer Program Mode. See p. 20.

**THIS MANUAL INCLUDES FEATURES WHICH ARE ONLY AVAILABLE IN CONTROL PANEL FIRMWARE VERSION 20 OR LATER.**

**IMPORTANT NOTE**

This manual supports the keypad programming of the GEM-P3200 control panel with the NAPCO "classic" GEM-RP2ASe2, GEM-RP3DGTL and GEM-RP4RFC/GEM-RP4C keypads as well as the GEM-K2AS, GEM-K3DGTL and GEM-K4RF/GEM-K4 "K Series" keypads. The new "K Series" models offer the new STAY and AWAY buttons with simplified functionality, along with the new MENU and ENTER buttons. While the instructions in this manual are depicted using the "K Series" keypads, the manual applies to both the "classic" and the "K Series" keypads.

**Program Mode** is the same for both keypads--**only the button names have changed**, as follows:

- The  button and the  button operate identically (in Program Mode) for both keypads.
- The  button and the  button operate identically (in Program Mode) for both keypads.
- The  button and the  button operate identically (in Program Mode) for both keypads. The words "NEXT/YES button" are used in this manual.
- The  button and the  button operate identically (in Program Mode) for both keypads. The words "PRIOR/NO button" are used in this manual.

**CHANGES FROM PREVIOUS EDITION**

This manual (WI1184) contains revised Installation Instructions previously found in WI818D. The revisions are as follows:

Pages 6-21: Easy Program Menu includes new selections: 24 Hour Zones in Area 1, Chime Zones in Area 1, Chime 2 Zones in Area 1, Exit/Entry2 Zones in Area 1, 50 mS Loop Response Zones, Aux Output Activated on Alarm Zones, Sensor Watch Zones, Keypad Sounder On Alarm Zones, Auto Bypass Re-entry Zones, Enable No EOLR Zones, Enable Telco Line Fault Test, Enable Burg Output Chirp on KeyFob, Enable SIA CP-01 Features.

Page 39, address 2421, "Telco Answering Service Override" name changed to "2nd Call Answering Machine Override".

Page 46, added address 2417, bit 5, "Lug E4 Armed Away Only".

Panel includes added features to accommodate the SIA CP-01 False Alarm Reduction Standard. Therefore Direct Address Program Mode addresses have been modified or added, as follows:

- Page 47, modified address 2422, bit 6, Enable Bell Output on Keyfob Arming
- Page 47, added address 2421, bit 3, Aux. Output Chirp on Keyfob Arm/Disarm
- Page 47, added address 2421, bit 4, Don't Clear Aux. Relay with Disarm
- Page 48, added address 3905, bit 1, Exit Time Restart
- Page 48, added address 3905, bit 2, Sound Alarm on Exit Error
- Page 48, added address 3905, bit 3, Rpt Exit Err/Recent Close
- Page 48, added address 3905, bit 4, Digital Dialer Rpt Enter/Exit Test Mode
- Page 48, added address 3905, bit 5, Enable CP-01 Limits
- Page 48, added address 3905, bit 6, Disable Call Waiting on First Attempt
- Page 28, modified address 4082, Report Cancel Window.

Address Number Index added at end of manual.

Page 4, the following statement added: **Note:** Unattended downloading from a computer is not allowed for Fire Alarm or UL installations."

Pages 4, 5, and 7, "50mS Loop Response Zones", since the time of 50 mS does not meet the UL listing requirement of the panel, the following notation is made: "750 mS is required for Loop Response time in UL installations".

Page 7, "Auto Bypass Re-entry Zones" notation added: "Not evaluated by UL".

Page 10, "Enter User Codes", instructions modified to enter a code from "3 to 6" digits.

Area Options/Explanation chart at the top of page 11: the following information

added: "Ambush: Allows user code to send Ambush signal to Central Station".

In Zone Options (pages 40-45) and the wiring diagram (page 72), the following notation added: "Disable Auto-Reset on non-fire zones for SIA CP-01 installations".

Added to Zone Options (pages 40-45) and on page 47, address 2422, bit 0: "In UL installations, all Fire Zones must also be programmed for 'Pulsed Burg Output' and 'Fire Output Cadence' (Address 2422, bit zero)".

Page 59, Table 4: the following notation added: "Keypad Tamper must be enabled in UL installations".

Pages 40-44, added to Zone Options, "Interior (STAY) Bypass", addresses 1284, 1384, 1484, 1584, 1684, 1784, 1884, 1984, 2084, 2184, 2284, 2384.

Page 46, notation added to address 2419, bit 0: "Do not use on systems with "K Series" keypads".

Page 47, address 2422, bit 5, "Disable Exit/Entry Urgency Tone at Keypad" changed to "Disable Entry Urgency Tone at Keypad".



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Refer to accompanying GEM-P3200 Installation Instructions (WI817) for installation information.



# SYSTEM PROGRAMMING OPTIONS

## INTRODUCTION

The GEM-P3200 control panel may be programmed by various means, each of which will be covered in detail in the sections that follow. Keypad displays shown are for a GEM-K2AS, the GEM-K3DGTL, and the GEM-K4/GEM-K4RF series. With the GEM-RP2ASe2/GEM-K2AS keypads, because of their reduced display capabilities, messages are abbreviated and will scroll through two or more screens. Zone descriptions cannot be programmed using GEM-K2AS/GEM-RP2ASe2, GEM-K3DGTL/GEM-RP3DGTL, nor a GEM-K4RF/RP4RFC series keypad, therefore a GEM-RP1CAe2 or GEM-K1CA keypad must be used.

- ✓ **Downloading From a Computer.** This is the preferred method of programming. The panel may be downloaded from (or uploaded to) an IBM PC-compatible computer, either locally or remotely. Napco's PCD-Windows Quickloader software features context-sensitive help screens as well as an error-checking utility that prevents programming of incompatible or conflicting data to ensure proper panel operation. **Note:** Unattended downloading from a computer is not allowed for Fire Alarm or UL installations.
- ✓ **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 and 2, panel zone doubling, number of fire zones (both 4-wire and 2-wire), local or Central Station reporting, number of exit/entry zones, number of interior zones, number of 24 hour zones, number of chime zones, Chime 2 zones, Exit/Entry2 zones, 50ms loop response zones (**Note: 750mS is required for Loop Response time in UL installations**), aux output activated on alarm zones, sensor watch zones, keypad sounder on alarm zones, auto bypass re-entry zones, EOLR zones, number of keypads in area 1 and 2, Central Station telephone number, Central Station account number, Central Station receiver format, User Codes, RF transmitter points, RF keyfob transmitters, zone descriptions, dealer code, Telco line fault test, Burg output chirp on keyfob, enable CP-01, and clear dealer program/cold start. 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 accomplished 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 specific location. This mode is accessed from the Easy Menu Driven Program Mode by pressing the  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, Time, Date and Zone Descriptions.

## DOWNLOADING FROM A COMPUTER

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



### Local Downloading

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


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

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

### Remote Downloading

(Also see PCI2000/3000 Installation Instructions WI443).

### Function Mode.

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












### Callback Method.

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



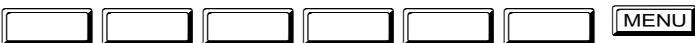


# EASY MENU DRIVEN PROGRAM MODE

## 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 Master Security Code is *printed on the panel's microprocessor can*. Use this code to enter the Dealer Program Mode to program a custom Dealer Security Code. Record the number, then remove the code label to prevent unauthorized access to the panel. If you forget your Dealer Security Code, use the Master Security Code to enter programming.
-  After entering codes or data, press the save  button. **Data will not be stored into memory unless  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  button to exit.
-  A panel that has been COLD STARTED (Address Location 4093) 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 or GEM-K1CA 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/ GEM-K2AS is used, configure address jumpers as Keypad #1 (see Configuring the GEM-RP2ASe2 Keypad, page 64).

## ACCESSING DEALER PROGRAM MODE

1. Press   → Master Security Code (on microshield) → 

2. Press "PRIOR/NO" button until "TURNON PROG Y/N" (GEM-RP2ASe2/ GEM-K2AS) or "17" (GEM-RP3DGTL/GEM-K3DGTL or GEM-RP4RFC/GEM-K4RF) appears on the LCD screen.

3. Press "NEXT/YES" button to Enter Dealer Program Mode.



4. Press   to exit Dealer Program Mode when finished.

## CUSTOMIZING A DEFAULT PROGRAM

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

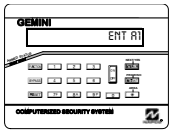
- Number of Zones in Area 1
- Number of Zones in Area 2
- Fire Zones in Area 1
- 2-Wire Fire Zones in Area 1
- Local or Central Station Reporting System
- Exit/Entry Zones in Area 1
- Interior Zones in Area 1
- 24 Hour Zones in Area 1
- Chime Zones in Area 1
- Chime 2 Zones in Area 1
- Exit/Entry2 Zones in Area 1
- 50mS Loop Response Zones (Note: 750mS is required for Loop Response time in UL installations).
- Aux Output Activated on Alarm Zones
- Sensor Watch Zones
- Keypad Sounder on Alarm Zones
- Auto Bypass re-entry Zones
- Enable no EOLR Zones
- Number of Keypads in Area 1 and 2
- Central Station Receiver 1 Tel. Number
- Central Station Receiver 1 Account Number
- Central Station Receiver 1 Format
- Enter User Codes
- RF Transmitter Points
- Quick Method
- Key Fob Transmitters
- Enter Zone Descriptions
- Dealer Code
- Enable Telco Line Fault Test
- Enable Burg Output Chirp on Keyfob
- Enable CP-01
- Clear Dealer Program
- Cold Start

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  button to enter the Direct Address Program Mode; (b) access Location 4091 (Clear Program); (c) press the  button and start over.

EASY MENU DRIVEN PROGRAM MODE

## GEM-RP2ASe2/GEM-K2AS Keypad Easy Program Menu



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

Ent A1

#ZnXX

(Direct Entry)

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

- Enter the total number of zones to be programmed for Area 1.
- Valid entries are from 01 to 48. Directly enter the total number of zones, including leading zeros.
- The system is based on groups of 4 zones each (after the first 8 zones), and will automatically round up to the next group of 4. For example, if you enter 18, it will automatically convert this to 20 zones. Press **[ ]** to save. Press the NEXT/YES button to proceed.

Ent A2

#ZnXX

(Direct Entry)

### Total Number of Zones in Area 2 (New Program Only)

- Enter the total number of zones to be programmed for Area 2.
- Valid entries are from 01 to 48. Directly enter the total number of zones, including leading zeros.
- The system is based on groups of 4 zones each (after the first 8 zones), and will automatically round up to the next group of 4. For example, if you enter 18, it will automatically convert this to 20 zones. Press **[ ]** to save. Press the NEXT/YES button to proceed.

Ent Fr

Zn#XX

(Direct Entry)

### Fire Zones in Area 1 (New Program Only)

- Enter the zone number of any Fire Zones (including 2-wire, 4-wire or wireless).
- Valid entries are from 01 to 48.
- Directly enter each zone number, including leading zeros, and press **[ ]** to save, and then repeat for any additional zone(s). Press the NEXT/YES button to proceed.

Ent2WF

Zn#XX

(Direct Entry)

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

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

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

Report

all Zn

Y/N

(Press YES or NO)

### Local or Central Station Reporting System (New Program Only)

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

EntEE1

Zn#XX

(Direct Entry)

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

- Enter the zone numbers of zones to be used as Exit/Entry zones.
- Valid entries are from 01 to 48. Directly enter each zone number, including leading zeros.
- Press **[ ]** to save and repeat for any additional zone(s); press the NEXT/YES button to proceed.

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

EntFol

Zn#XX

(Direct Entry)

### Interior Zones in Area 1 (New Program Only)


- Enter the zone numbers to be used as Interior Zones.
- Valid entries are from 01 to 48. Directly enter each zone number, including leading zeros.
- Press **[ ]** to save and then repeat for any additional zone(s).
- Press the NEXT/YES button to proceed.
- All Interior zones will also be automatically programmed as "Exit/Entry Follower" and as "Power Up Delay" zones.

Ent24H

Zn#XX

(Direct Entry)

**24 Hour Zones in Area 1 (New Program Only)**

- Enter the zone numbers of zones to be used as 24 Hour zones.
- Valid entries are from 01 to 48. Directly enter each zone number, including leading zeros.
- Press  to save and repeat for any additional zone(s); press the NEXT/YES button to proceed.


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

EntCZ1

Zn#XX

(Direct Entry)

**Chime Zones in Area 1 (New Program Only)**

- Enter the zone numbers which are to be used as Chime Zones.
- Valid entries are from 01 to 48. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s), press the NEXT/YES button to proceed.


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

EntCZ2

Zn#XX

(Direct Entry)

**Chime 2 Zones in Area 1 (New Program Only)**

- Enter the zone numbers which are to be used as Chime 2 Zones.
- Valid entries are from 01 to 48. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s), press the NEXT/YES button to proceed.


**NOTE:** A chime time of 2 seconds will be automatically programmed.  
Chime 2 zones give a distinct pulsating tone when zone is faulted.

EntEE2

Zn#XX

(Direct Entry)

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

- Enter the zone numbers of zones to be used as Exit/Entry zones.
- Valid entries are from 01 to 48. Directly enter each zone number, including leading zeros.
- Press  to save and repeat for any additional zone(s), press the NEXT/YES button to proceed.


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

Ent50m

Zn#XX

(Direct Entry)

**50 mS Loop Response Zones (New Program Only)**


- Enter the zone numbers of zones to have a 50mS loop response.
- Valid entries are from 01 to 08. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s), press the NEXT/YES button to proceed. **Note:** Only panel zones 01-08 can be programmed for Quick Loop Response. All other zones can be programmed via their respective EZM's (hardwire). **Note: 750mS is required for Loop Response time in UL installations.**

EntAux

Zn#XX

(Direct Entry)

**Aux Output Activated on Alarm Zones (New Program Only)**

- Enter the zone numbers of zones to activate the Aux Output upon alarm.
- Valid entries are from 01 to 48. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s); press the NEXT/YES button to proceed.


**NOTE:** An Aux Output Timeout of 15 minutes will automatically be programmed.

Ent SW

Zn#XX

(Direct Entry)

**Sensor Watch Zones (New Program Only)**

- Enter the zone numbers of zones to be Sensor Watch zones.
- Valid entries are from 01 to 48. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s), press the NEXT/YES button to proceed.


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

EntKPS

Zn#XX

(Direct Entry)

**Keypad Sounder On Alarm Zones (New Program Only)**


- Enter the zone numbers of all zones to activate the Keypad Sounder upon alarm.
- Valid entries are from 01 to 48. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s), press the NEXT/YES button to proceed.

EntAUB

Zn#XX

(Direct Entry)

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

- Enter the zone numbers of zones to be Auto Bypass Re-entry zones.
- Valid entries are from 01 to 48. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s), press the NEXT/YES button to proceed.
- Auto Bypass Re-entry Zones allow the system to be armed with the zone faulted but come back into the system (armed) when the zone is subsequently closed.



EnNEOL  
Y/N

(Press YES or NO)

Telco  
Ln Flt

Y/N

(Press YES or NO)

KF Out  
Chirp

Y/N

(Press YES or NO)

Enable  
CP01?

Y/N

(Press YES or NO)

Ent A1  
#KP 01

(Direct Entry)

Ent A2  
#KP 01

(Direct Entry)

Phone#  
-----  
-----

(Direct Entry)

**Enable No EOLR Zones (New Program Only)**

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

**Enable Telco Line Fault Test?**

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


**Enable Burg Output Chirp on KeyFob?**

- Press the NEXT/YES button to enable Burg Output Chirp on KeyFob Arm / Disarm.
  - Press the PRIOR/NO button to continue.
- NOTE:** The Burg Output will chirp once on Keyfob Arm and twice on Keyfob Disarm.


**Enable SIA CP-01 Features?**

- Press the NEXT/YES button to enable.
  - Press the PRIOR/NO button to continue.
- The SIA CP-01 Features are designed to reduce the incidence of false alarms. **NOTE:** Do not enable unless reporting, otherwise system trouble *Fail to Communicate* may occur.















**Number of Keypads in Area 1**

- Enter the total number of Keypads to be installed in Area 1.
- Valid entries are from 01 to 15. Directly enter the number of keypads, including leading zeros. Press  to save. Press the NEXT/YES button to proceed.

**Number of Keypads in Area 2**

- Enter the total number of Keypads to be installed in Area 2.
- Valid entries are from 01 to 15. Directly enter the number of keypads, including leading zeros. Press  to save. Press the NEXT/YES button to proceed.

**Central Station Receiver 1 Telephone Number**






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

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



**Easy Programming of Auto download ID #'s and PC Preset Callback Numbers (GEM-RP1CAe2 only)**

For unattended PC Preset downloading, it is now possible to set the Auto download ID #'s and PC Preset Callback from the Keypad Easy Program Mode.

- At the field for CENTRAL PHONE #, program an "F" followed by the Auto Download ID # (2 digits) and then the Callback Telco # (up to 13 digits).
- Press  to save.
- Exit Program Mode ( ).
- Enter Master Code
- Press 
- Go to Function "ACTIVATE DOWNLOAD Y/N" and press YES ().
- The panel will automatically call the PC Preset computer and download the program on the specified Auto Download line # of PC Preset.

CENTRAL PHONE #  
F0715168429400






Example: Program an Auto download ID # of 07 and a PC Preset Callback # of 1-516-842-9400

- Go to Central Phone # input screen and press: [\*] [5] [0] [7] [1] [5] [1] [6] [8] [4] [2] [9] [4] [0] [0] [ON/OFF]

Acc #  
[ ] [ ] [ ] [ ]

(Direct Entry)

**Central Station Receiver 1 Account Number**










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

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

RecFmt  
( )

(Direct Entry)

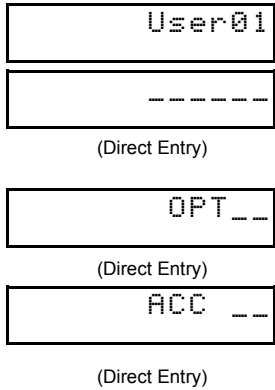
**Central Station Receiver 1 Format**

- From the table at the right enter the receiver format.
- Press  through , and   for blank (\*).
- Press   through   for letters B–E.
- Press  to save and press the NEXT/YES button to proceed.

DATA ENTRY	CS RECEIVER 1 FORMAT
blank(*)	Ademco Slow, Silent Knight Slow
1	Sescoa, Vertex, DCI, Franklin Fast
2	Radionics Fast
3	Silent Knight Fast
4	Radionics, DCI, Franklin Slow
5	Universal High Speed
8	Radionics BFSK

DATA ENTRY	CS RECEIVER 1 FORMAT
9	FBI 4/3/1
0	Radionics Modem 2
B	SIA
C	Ademco Point ID
D	Ademco Express
E	Pager

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



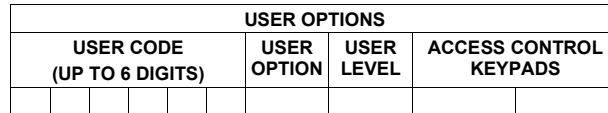
**Enter User Codes** (Press the **MENU** button to set cursor.)

Enter up to 48 User Codes with User Options, Authority Level and Access Control Options (if necessary) for each code. Refer to the tables below and on the next page for available data entries for User Options, Authority Level and Access Control Options. **Note:** All 48 Users must be assigned to areas in "Enable User Code by Area" (Address 2500-2595) in Direct Address Programming. By default, only User 1 is enabled in Area 1 and Area 2. User 2 - 8 are enabled in Area 1 and user 9 - 16 are enabled in Area 2.

Press the **MENU** button to set the cursor to the User Code. Use the number buttons **1** through **9P** to enter a code from 3 to 6 digits. Enter up to 6 digits in the first six boxes from left to right for each user code. Valid entries are: 0-9. **Note:** Press the **0** button for a zero. No blank spaces in between; leave blank (\*) any trailing boxes. If an "Ambush Code" (Address 0495) is entered, *do not* program the first two digits of ANY User Code as the same digits entered for the "Ambush Code".

- If the programmed code is less than 6 digits, press the **MENU** button to set the cursor to the OPTION/LEVEL.
- Refer to the tables below for the available User Option and User Level data entries. Enter the user options data in the left digit. Enter the level data (with arming options, if any, added) in the right digit. **Note:** For entries greater than 9, press the **\* 1** buttons through the **\* 5** buttons for B through F, respectively.
- For Keypad Access Control, press the **MENU** button once again to program applicable keypads. Refer to the tables below, use the number buttons to enter the data for Keypad 1-4 in the right digit; and the data for Keypad 5-7 data in the left digit. (Press the **0** buttons for blank).

Example: Enter a code of "123456" as "123456" (from left to right).



USER OPTIONS				
DATA ENTRIES	BLOCKED VIEW	USER PROGRAM	BYPASS	OVERVIEW
blank (*)	DISABLED			
1	Y			
2		Y		
3	Y	Y		
4			Y	
5	Y		Y	
6		Y	Y	
7	Y	Y	Y	
8				Y
9	Y			Y
0		Y		Y
B	Y	Y		Y
C			Y	Y
D	Y		Y	Y
E		Y	Y	Y
F	Y	Y	Y	Y

Note: "Y" indicates option is enabled.

DATA ENTRIES	AUTHORITY LEVEL	CODE TYPE
blank (*)	NONE	ARM/DISARM
1	LEVEL 1	ARM/DISARM
2	LEVEL 2	ARM/DISARM
3	LEVEL 3	ARM/DISARM
4	NONE	ARM ONLY
5	LEVEL 1	ARM ONLY
6	LEVEL 2	ARM ONLY
7	LEVEL 3	ARM ONLY
8	NONE	SERVICE
9	LEVEL 1	SERVICE
0	LEVEL 2	SERVICE
B	LEVEL 3	SERVICE

ACCESS CONTROL KEYPADS			
DATA ENTRIES	K.P. 5	K.P. 6	K.P. 7
blank (*)	NONE		
1	Y		
2		Y	
3	Y	Y	
4			Y
5	Y		Y
6		Y	Y
7	Y	Y	Y
8			
9	Y		
0		Y	
B	Y	Y	
C			Y
D	Y		Y
E		Y	Y
F	Y	Y	Y

Note: "Y" indicates option is enabled.

ACCESS CONTROL KEYPADS				
DATA ENTRIES	K.P. 1	K.P. 2	K.P. 3	K.P. 4
blank (*)	NONE			
1	Y			
2		Y		
3	Y	Y		
4				Y
5	Y			Y
6		Y	Y	
7	Y	Y	Y	
8				Y
9	Y			Y
0		Y		Y
B	Y	Y		Y
C			Y	Y
D	Y		Y	Y
E		Y	Y	Y
F	Y	Y	Y	Y

Note: "Y" indicates option is enabled.

USER AUTHORITY LEVEL	
KEYPAD DISPLAY FUNCTION MENU	
FUNCTION	LEVEL*
DISPLAY ZN FAULTS	1
DISPLAY ZN BYPASSED	1
DISPLAY ZN DIRECTORY	1
ACTIVATE BELL TEST	1
DISPLAY PHONE #'S	1
DISPLAY SYS TRBL	1
DISPLAY FIRE ALARM	1
DISPLAY FIRE TRBL	1
DISPLAY OP/CL	3
ACTIVATE OVERVIEW	3**
ACTIVATE CHIME	1
ACTIVATE WATCH	2
RESET SYSTEM TRBL	3
RESET SENSOR MSG	3
START EXIT TIME	1
FAULT FIND	***
ACTIVATE LOCATE	***
EZM ZONE FIND	***
ACTIVATE DIALER TEST	3
DISPLAY ALARM LOG	3
DISPLAY TOTAL LOG	3
DISPLAY FIRE LOG	3
DISPLAY OP/CL LOG	3
DISPLAY SYSTEM LOG	3
AUTOARM IN 1-4HRS	2
DISPLAY AUTOARM SCHD	3
ACTIVATE PROGRAM	3**
ACTIVATE DOWNLOAD	3
DISPLY RF XMITTER STAT	1
RELAY CONTROL	1



**NOTES:**

- \* Minimum Level required to access function
- \*\* Level-3 Code with appropriate user option
- \*\*\* Requires Dealer Code

USER OPTIONS	
OPTIONS	EXPLANATION
Disabled	User Code not active in this area.
Blocked View	Allows User Code to block another code from being viewed by another user. An unblocked code cannot view a blocked code, but a blocked code can view all codes. The master user code and the dealer program code can view all codes.
User Program	User Program Option is enabled for Keypad 1 only, wherever it is connected (any area). If enabled, Level 3 must also be enabled.
Bypass	Allows User Code to bypass zones.
Overview	This option, along with Level 3 Authorization, enables selection of OVERVIEW mode at a keypad. This Mode provides a system status display of all areas at a glance.
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 (a "5" on the GEM-RP1CAe2 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.
Ambush	Allows User Code to send Ambush signal to Central Station.
Access	This is normally used to activate a door striker while an area is disarmed. A code with the access option will not function as an arm/disarm code. When the code is entered, the keypad will display "ENTER NOW" and the Brown Wire on the keypad will become Active Low (Ground Potential) for 7 seconds.

**Related User Options:** "Ambush Code" (Address 0495), "Panel Access Code" (Address 0490), "Dealer Security Code" (Address 0500) & "Enable User Code by Area" (Address 2500-2595).

**Example:** Program a code of "2222" for user 02, with User Option of "User Program", User "Level 3" and Access Control Option "Keypad No. 1". Enter "2222" for a user code, "2 3" for user option and "blank(\*) 1" for access control option.

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

Zn# 01

000000

(Direct Entry)

:0 Pt

(Direct Entry)

**RF Transmitter Points** (Press **MENU** to set cursor.)

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

- The **zone number** (01–48) to which the transmitter will be mapped.
- The **6-digit RF ID #** and **1-digit checksum number** printed on the transmitter and box,
- The **point number** (1–2); enter "9" for unsupervised (all points).
- Press **ENTER** to save and **NEXT/YES** button to proceed when all transmitters have been entered.

**NOTE:** When programming the ID Code number, "0" through "9" = **0** through **9P**; A = **\* 0**; B = **\* 1**; C = **\* 2**; D = **\* 3**; E = **\* 4** and "F" = **\* 5**.

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

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

1. Enter the zone number to which the transmitter point will be mapped.
2. Press **BYPASS** 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.

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

*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.

KFob01

Area

(Direct Entry)

000000

(Direct Entry)

:0 0 0

(Direct Entry)

**Key Fob Transmitters as Arm/Disarm & Control Devices** (Press **MENU** to set cursor).

Key fobs 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).
- The **area number** to which transmitter is assigned (0 to disable keyfob, 1 or 2).
- The **6-digit RF ID #** and **1-digit checksum number** printed on the transmitter and box,
- The **Aux 1 Option** (see key fob aux 1 & aux 2 options).
- The **Aux 2 Option** (see key fob aux 1 & aux 2 options).
- Press **ENTER** to save and **NEXT/YES** button to proceed when all key fobs have been entered.

**NOTE:** When programming the ID Code number, "0" through "9" = **0** through **9P**; A = **\* 0**; B = **\* 1**; C = **\* 2**; D = **\* 3**; E = **\* 4** and "F" = **\* 5**.

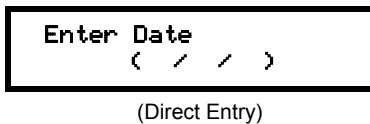
**Key Fob Transmitters as Zone Input Devices**

(Refer to display above: press the **PRIOR** 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 48 key fobs (using 1 button) or 24 key fobs (using 2 buttons) or 14 key fobs (using all 4 buttons) or any combination up to a maximum of 48 controlled zones can be assigned, providing multiple wireless panic buttons on a system, each reporting to the 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 key fob as you would a transmitter, entering the key fob's ID code, check sum and point number at the appropriate zone. The "Quick Method" is not allowed. The zone may be hardwired to a 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.

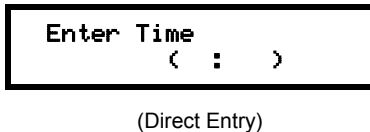
DATA ENTRY	AUX 1/AUX 2 OPTIONS
0	None
1	Relay Group 1 Toggle
2	Relay Group 2 Toggle
3	Relay Group 3 Toggle
4	Relay Group 4 Toggle
5	Relay Group 5 Toggle
6	Relay Group 6 Toggle
7	Relay Group 7 Toggle
8	Relay Group 8 Toggle
9	Panic
A	Auxiliary
B	Instant
C	Aux. Output Toggle
D	Access on Aux. Output
E	Arm STAY
F	Interior Bypass

**ZONE DESCRIPTIONS:** GEM-RP2ASe2/GEM-K2AS cannot be used to enter Zone Descriptions. To enter Zone Descriptions, you must use the GEM-RP1CAe2/GEM-K1CA Keypad (See WI1818) or the PCD-Windows Quickloader Software.



**Enter Date** (Press **MENU** to set cursor).

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



**Enter Time** (Press **MENU** to set cursor.)

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



**Dealer Code**

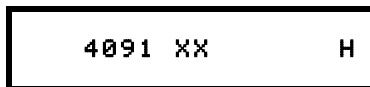
- Directly enter the Dealer Code (default = 456789), using **0** through **9 P** buttons.
- Press **ENTER** to save.



- Re-enter the Dealer Code to verify the previous code.
- Press **ENTER** to save.
- Press the NEXT/YES button to proceed.

**EXIT DEALER PROGRAM MODE:** This completes the custom default program. Press **RESET** to enter the Direct Address Program Mode for further programming or press **RESET** 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 **RESET** to enter the Address Program Mode; (b) access Location 4091 (Clear Program) or 1093 (Cold Start); (c) press **ENTER** and then (d) press **RESET** to exit the Dealer Program Mode. A "SYSTEM TROUBLE/EQ9-00 SERVICE" will occur. Press **RESET** to silence the keypad.



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

Use this feature to erase the Panel Program, while maintaining Scheduled Data and Zone Descriptions. Access address 4091 and press **ENTER**. Data entry is not allowed. **NOTE:** Enter Easy Menu Driven Program Mode to reprogram system.



**Cold Start (Erases Entire Program)**

This erases all programmed data (Dealer Program, Zone Description Data and Schedules). Access address 4093 and press **ENTER**. Data entry is not allowed. **NOTE:** Some features (schedules) can only be programmed again with the Downloading Software.

## GEM-RP3DGTL/GEM-K3DGTL and GEM-RP4RFC/GEM-K4RF Keypad Easy Program Menu

To enter Dealer Program Mode, see page 5. Once entered, press **[MENU]**, followed by **[PRIOR/NO]** repeatedly until "17" is displayed (scroll back by pressing **[BYPASS]**). Press **[NEXT]** to enter Easy Program Mode. For the GEM-RP3DGTL/GEM-K3DGTL (and GEM-RP4RFC/GEM-K4RF), questions are in the form of a 2-digit number flashing in the display. Press **[MENU]** to set the cursor into the next field to answer the question. Press **[MENU]** again to scroll through each segment. Press **[NEXT]** to go to the next question. To review your Easy Program Mode responses (before pressing **[ENTER]** to save), press **[MENU]** until the 2-digit question number flashes in the display again. If the data is correct, press **[ENTER]** to save. If the data is incorrect, press **[MENU]** to set the cursor into the next field and again enter your data. **Note:** Review your Easy Program Mode responses after the initial programming of the control, except for questions marked "For New Panel Only". These questions set up the basic structure of the panel program ("Number of Zones in an Area", etc.) and cannot be viewed or altered once set. To exit Dealer Program Mode, press **[RESET]** twice. To return the panel to the factory default, enter the Direct Address Program Mode, go to location 4093 and press **[ENTER]**.

**Flashing**

(Direct Entry)

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

- Enter the total number of zones to be programmed for Area 1.
- Valid entries are from 01 to 48. Directly enter the total number of zones, including leading zeros.
- The system is based on groups of 4 zones each (after the first 8 zones), and will automatically round up to the next group of 4. For example, if you enter 18, it will automatically convert this to 20 zones. Press **[ENTER]** to save. Press the NEXT/YES button to proceed.

(Direct Entry)

### Total Number of Zones in Area 2 (New Program Only)

- Programming Area 2 is identical to Area 1 above. Press the NEXT/YES button to proceed.

(Direct Entry)

### Fire Zones in Area 1 (New Program Only)

- Enter the zone number of any Fire Zones (including 2-wire, 4-wire or wireless).
- Valid entries are from 01 to 48.
- Directly enter each zone number, including leading zeros, and press **[ENTER]** to save, and then repeat for any additional zone(s). Press the NEXT/YES button to proceed.

(Direct Entry)

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

- Enter the zone number of any Fire Zone (from previous question) to be used with 2-wire smoke detectors.
  - Valid entries are 07 and 08. Directly enter each zone number, including leading zeros.
  - Press **[ENTER]** to save, and repeat for any additional zone(s); press NEXT to proceed.
- NOTE:** Only zones which have been designated as Fire Zones can be programmed as 2 Wire Fire zones. JP3 must be set to "2-WF" position for 2-wire fire. (refer to Installation Instructions).

(Direct Entry)

### Local or Central Station Reporting System (New Program Only)

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


(Direct Entry)

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

- Enter the zone numbers of zones to be used as Exit/Entry zones.
  - Valid entries are from 01 to 48. Directly enter each zone number, including leading zeros.
  - Press **[ENTER]** to save and repeat for any additional zone(s); press the NEXT/YES button to proceed.
- NOTE:** Exit/Entry time of 30 seconds will automatically be programmed.



**Interior Zones in Area 1 (New Program Only)**


- Enter the zone numbers to be used as Interior Zones.
- Valid entries are from 01 to 48. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s).
- Press the NEXT/YES button to proceed.
- All Interior zones will also be automatically programmed as "Exit/Entry Follower" and as "Power Up Delay" zones.



(Direct Entry)



**24 Hour Zones in Area 1 (New Program Only)**


- Enter the zone numbers of zones to be used as 24 Hour zones.
  - Valid entries are from 01 to 48. Directly enter each zone number, including leading zeros.
  - Press  to save and repeat for any additional zone(s); press the NEXT/YES button to proceed.
- NOTE:** 24 Hour Zones will automatically be programmed as audible (Burg Output).



(Direct Entry)

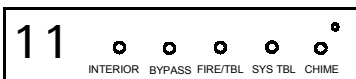


**Chime Zones in Area 1 (New Program Only)**


- Enter the zone numbers which are to be used as Chime Zones.
  - Valid entries are from 01 to 48. Directly enter each zone number, including leading zeros.
  - Press  to save and then repeat for any additional zone(s), press the NEXT/YES button to proceed.
- NOTE:** A chime time of 2 seconds will be automatically programmed.

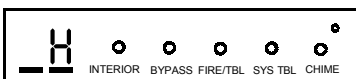


(Direct Entry)

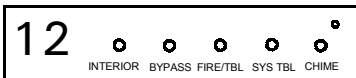


**Chime 2 Zones in Area 1 (New Program Only)**


- Enter the zone numbers which are to be used as Chime 2 Zones.
  - Valid entries are from 01 to 48. Directly enter each zone number, including leading zeros.
  - Press  to save and then repeat for any additional zone(s), Press the NEXT/YES button to proceed.
- NOTE:** A chime time of 2 seconds will be automatically programmed.  
Chime 2 zones give a distinct pulsating tone when zone is faulted.

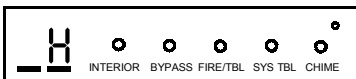


(Direct Entry)

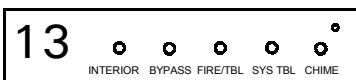


**Exit/Entry2 Zones in Area 1 (New Program Only)**


- Enter the zone numbers of zones to be used as Exit/Entry zones.
  - Valid entries are from 01 to 48. Directly enter each zone number, including leading zeros.
  - Press  to save and repeat for any additional zone(s); press the NEXT/YES button to proceed.
- NOTE:** An Exit/Entry 2 Entry Time of 30 seconds will automatically be programmed.

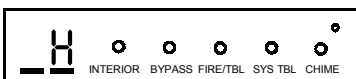


(Direct Entry)

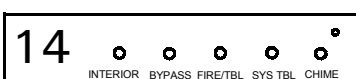


**50 mS Loop Response Zones (New Program Only)**


- Enter the zone numbers of zones to be have a 50mS loop response.
- Valid entries are from 01 to 08. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s), Press the NEXT/YES button to proceed. **Note:** Only panel zones 01-08 can be programmed for Quick Loop Response. All other zones can be programmed via their respective EZM's (hardwire). **Note: 750mS is required for Loop Response time in UL installations.**



(Direct Entry)

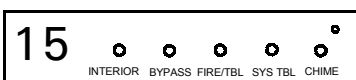


**Aux Output Activated on Alarm Zones (New Program Only)**


- Enter the zone numbers of zones to activate the PGM2 upon alarm.
  - Valid entries are from 01 to 48. Directly enter each zone number, including leading zeros.
  - Press  to save and then repeat for any additional zone(s), Press the NEXT/YES button to proceed.
- NOTE:** A PGM2 Timeout of 15 minutes will automatically be programmed.

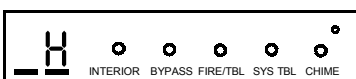


(Direct Entry)



**Sensor Watch Zones (New Program Only)**

- Enter the zone numbers of zones to be Sensor Watch zones.
  - Valid entries are from 01 to 48. Directly enter each zone number, including leading zeros.
  - Press  to save and then repeat for any additional zone(s), Press the NEXT/YES button to proceed.
- NOTE:** A Sensor Watch Time of 24 hours will automatically be programmed.



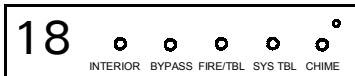
(Direct Entry)



(Direct Entry)



(Direct Entry)



(Press YES or NO)



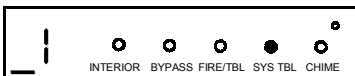
(Press YES or NO)



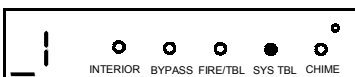
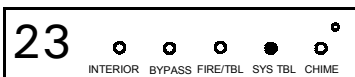
(Press YES or NO)



(Press YES or NO)



(Direct Entry)



(Direct Entry)

**Keypad Sounder On Alarm Zones (New Program Only)**

- Enter the zone numbers of all zones to activate the Keypad Sounder upon alarm.
- Valid entries are from 01 to 48. Directly enter each zone number, including leading zeros.
- Press to save and then repeat for any additional zone(s), Press the NEXT/YES button to proceed.

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

- Enter the zone numbers of zones to be Auto Bypass Re-entry zones.
- Valid entries are from 01 to 48. Directly enter each zone number, including leading zeros.
- Press to save and then repeat for any additional zone(s), Press the NEXT/YES button to proceed.
- Auto Bypass Re-entry Zones allow the system to be armed with the zone faulted but come back into the system (armed) when the zone is subsequently closed.

**Enable No EOLR Zones (New Program Only)**

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

**Enable Telco Line Fault Test?**

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

**Enable Burg Output Chirp on KeyFob?**

- Press the NEXT/YES button to enable Burg Output Chirp on KeyFob Arm / Disarm.
  - Press the PRIOR/NO button to continue.
- NOTE:** The Burg Output will chirp once on Keyfob Arm and twice on Keyfob Disarm.

**Enable SIA CP-01 Features?**

- Press the NEXT/YES button to enable.
  - Press the PRIOR/NO button to continue.
- The SIA CP-01 Features are designed to reduce the incidence of false alarms. **NOTE:** Do not enable unless reporting, otherwise system trouble *Fail to Communicate* may occur.

**Number of Keypads in Area 1**

- Enter the total number of Keypads to be installed in Area 1.
  - Valid entries are from 01 to 07. Directly enter the number of keypads, including leading zeros.
- Press to save. Press the NEXT/YES button to proceed.

**Number of Keypads in Area 2**

- Enter the total number of Keypads to be installed in Area 2.
  - Valid entries are from 01 to 07. Directly enter the number of keypads, including leading zeros.
- Press to save. Press the NEXT/YES button to proceed.





(Direct Entry)

### Central Station Receiver 1 Telephone Number

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

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



(Direct Entry)

### Central Station Receiver 1 Account Number

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

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



(Direct Entry)

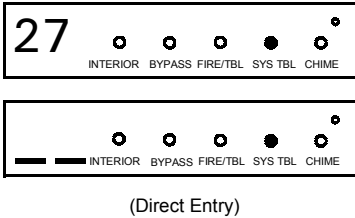
### Central Station Receiver 1 Format

- From the table at the right enter the receiver format.
- Press  through , and   for blank (\*).
- Press   through   for letters B–E.
- Press  to save and press the NEXT/YES button to proceed.

DATA ENTRY	CS RECEIVER 1 FORMAT
blank(*)	Ademco Slow, Silent Knight Slow
1	Sescoa, Vertex, DCI, Franklin Fast
2	Radionics Fast
3	Silent Knight Fast
4	Radionics, DCI, Franklin Slow
5	Universal High Speed
8	Radionics BFSK

DATA ENTRY	CS RECEIVER 1 FORMAT
9	FBI 4/3/1
0	Radionics Modem 2
B	SIA
C	Ademco Point ID
D	Ademco Express
E	Pager

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



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

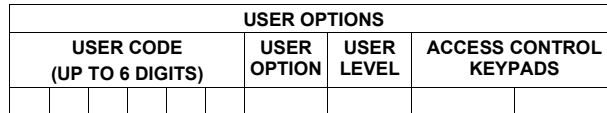
Enter up to 48 User Codes with User Options, Authority Level and Access Control Options (if necessary) for each code. Refer to the tables below and on the next page for available data entries for User Options, Authority Level and Access Control Options. **Note:** All 48 Users must be assigned to areas in "Enable User Code by Area" (Address 2500-2595) in Direct Address Programming. By default, only User 1 is enabled in Area 1 and Area 2. User 2 - 8 are enabled in Area 1 and user 9 - 16 are enabled in Area 2.

Press the **MENU** button to set the cursor to the User Code. Use the number buttons **1** through **9P** to enter a code from 3 to 6 digits. Enter up to 6 digits (4 digits is recommended) in the first six boxes from left to right for each user code.

Valid entries are: 0-9. **Note:** Press the **0** button for a zero. No blank spaces in between; leave blank (\*) any trailing boxes. If an "Ambush Code" (Address 0495) is entered, *do not* program the first two digits of ANY User Code as the same digits entered for the "Ambush Code".

- If the programmed code is less than 6 digits, press the **MENU** button to set the cursor to the OPTION/LEVEL.
- Refer to the tables below for the available User Option and User Level data entries. Enter the user options data in the left digit. Enter the level data (with arming options, if any, added) in the right digit. **Note:** For entries greater than 9, press the **\*** **1** buttons through the **\*** **5** buttons for B through F, respectively.
- For Keypad Access Control, press the **MENU** button once again to program applicable keypads. Refer to the tables below, use the number buttons to enter the data for Keypad 1-4 in the right digit; and the data for Keypad 5-8 data in the left digit. (Press the **0** buttons for blank).

Example: Enter a code of "123456" as "123456" (from left to right).



USER OPTIONS				
DATA ENTRIES	BLOCKED VIEW	USER PROGRAM	BYPASS	OVERVIEW
blank (*)	DISABLED			
1	Y			
2		Y		
3	Y	Y		
4			Y	
5	Y		Y	
6		Y	Y	
7	Y	Y	Y	
8				Y
9	Y			Y
0		Y		Y
B	Y	Y		Y
C			Y	Y
D	Y		Y	Y
E		Y	Y	Y
F	Y	Y	Y	Y

Note: "Y" indicates option is enabled.

DATA ENTRIES	AUTHORITY LEVEL	CODE TYPE
blank (*)	NONE	ARM/DISARM
1	LEVEL 1	ARM/DISARM
2	LEVEL 2	ARM/DISARM
3	LEVEL 3	ARM/DISARM
4	NONE	ARM ONLY
5	LEVEL 1	ARM ONLY
6	LEVEL 2	ARM ONLY
7	LEVEL 3	ARM ONLY
8	NONE	SERVICE
9	LEVEL 1	SERVICE
0	LEVEL 2	SERVICE
B	LEVEL 3	SERVICE

ACCESS CONTROL KEYPADS				
DATA ENTRIES	K.P. 5	K.P. 6	K.P. 7	K.P. 8
blank (*)	NONE			
1	Y			
2		Y		
3	Y	Y		
4			Y	
5	Y		Y	
6		Y	Y	
7	Y	Y	Y	
8				Y
9	Y			Y
0		Y		Y
B	Y	Y		Y
C			Y	Y
D	Y		Y	Y
E		Y	Y	Y
F	Y	Y	Y	Y

Note: "Y" indicates option is enabled.

ACCESS CONTROL KEYPADS				
DATA ENTRIES	K.P. 1	K.P. 2	K.P. 3	K.P. 4
blank (*)	NONE			
1	Y			
2		Y		
3	Y	Y		
4				Y
5	Y			Y
6		Y	Y	
7	Y	Y	Y	
8				Y
9	Y			Y
0		Y		Y
B	Y	Y		Y
C			Y	Y
D	Y		Y	Y
E		Y	Y	Y
F	Y	Y	Y	Y

Note: "Y" indicates option is enabled.

USER AUTHORITY LEVEL	
KEYPAD DISPLAY FUNCTION MENU	
FUNCTION	LEVEL*
DISPLAY ZN FAULTS	1
DISPLAY ZN BYPASSED	1
DISPLAY ZN DIRECTORY	1
ACTIVATE BELL TEST	1
DISPLAY PHONE #'S	1
DISPLAY SYS TRBL	1
DISPLAY FIRE ALARM	1
DISPLAY FIRE TRBL	1
DISPLAY OP/CL	3
ACTIVATE OVERVIEW	3**
ACTIVATE CHIME	1
ACTIVATE WATCH	2
RESET SYSTEM TRBL	3
RESET SENSOR MSG	3
START EXIT TIME	1
FAULT FIND	***
ACTIVATE LOCATE	***
EZM ZONE FIND	***
ACTIVATE DIALER TEST	3
DISPLAY ALARM LOG	3
DISPLAY TOTAL LOG	3
DISPLAY FIRE LOG	3
DISPLAY OP/CL LOG	3
DISPLAY SYSTEM LOG	3
AUTOARM IN 1-4HRS	2
DISPLAY AUTOARM SCHD	3
ACTIVATE PROGRAM	3**
ACTIVATE DOWNLOAD	3
DISPLY RF XMITTER STAT	1
RELAY CONTROL	1



**NOTES:**

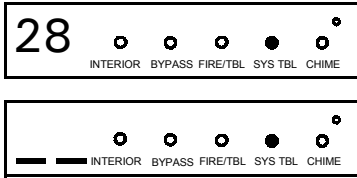
- \* Minimum Level required to access function
- \*\* Level-3 Code with appropriate user option
- \*\*\* Requires Dealer Code

USER OPTIONS	
OPTIONS	EXPLANATION
Disabled	User Code not active in this area.
Blocked View	Allows User Code to block another code from being viewed by another user. An unblocked code cannot view a blocked code, but a blocked code can view all codes. The master user code and the dealer program code can view all codes.
User Program	User Program Option is enabled for Keypad 1 only, wherever it is connected (any area). If enabled, Level 3 must also be enabled.
Bypass	Allows User Code to bypass zones.
Overview	This option, along with Level 3 Authorization, enables selection of OVERVIEW mode at a keypad. This Mode provides a system status display of all areas at a glance.
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 (a "5" on the GEM-RP1CAe2 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.
Ambush	Allows User Code to send Ambush signal to Central Station.
Access	This is normally used to activate a door striker while an area is disarmed. A code with the access option will not function as an arm/disarm code. When the code is entered, the keypad will display "ENTER NOW" and the Brown Wire on the keypad will become Active Low (Ground Potential) for 7 seconds.

**Related User Options:** "Ambush Code" (Address 0495), "Panel Access Code" (Address 0490), "Dealer Security Code" (Address 0500) & "Enable User Code by Area" (Address 2500-2547).

**Example:** Program a code of "2222" for user 02, with User Option of "User Program", User "Level 3" and Access Control Option "Keypad No. 1". Enter "2222" for a user code, "2 3" for user option and "blank(\*) 1" for access control option.

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



**RF Transmitter Points** (Press **MENU** to set cursor.)

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

- The **zone number** (01–48) to which the transmitter will be mapped.
- The **6-digit RF ID #** and **1-digit checksum number** printed on the transmitter and box,
- The **point number** (1–2); enter "9" for *unsupervised* (all points).
- Press **ENTER** to save and **NEXT/YES** button to proceed when all transmitters have been entered.

**NOTE:** When programming the ID Code number, "0" through "9" = **0** through **9P**; A =

**\*** **0** ; B = **\*** **1** ; C = **\*** **2** ; D = **\*** **3** ; E = **\*** **4** and "F" = **\*** **5** .

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

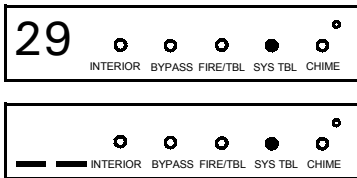


1. Enter the zone number to which the transmitter point will be mapped.
2. Press **BYPASS** to enter the Enroll Mode. The red and green LEDs on the keypad will flash and the window will display as shown at left.
3. Open the loop of the point that is to be programmed (GEM-TRANS2 only).
4. Install the 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. 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
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 .



**Key Fob Transmitters as Arm/Disarm & Control Devices** (Press **MENU** to set cursor.)

Key fobs 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).
- The **area number** to which transmitter is assigned (0 to disable keyfob, 1 or 2).
- The **6-digit RF ID #** and **1-digit checksum number** printed on the transmitter and box,
- The **Aux 1 Option** (see key fob aux 1 & aux 2 options).
- The **Aux 2 Option** (see key fob aux 1 & aux 2 options).

• Press **ENTER** to save and **NEXT/YES** button to proceed when all key fobs have been entered.

**NOTE:** When programming the ID Code number, "0" through "9" = **0** through **9P** ; A = **\*** **0** ; B = **\*** **1** ;

C = **\*** **2** ; D = **\*** **3** ; E = **\*** **4** and "F" = **\*** **5** .

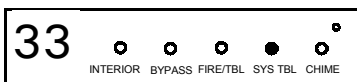
**Key Fob Transmitters as Zone Input Devices**

(Refer to display above: press the PRIOR 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 96 key fobs (using 1 button) or 48 key fobs (using 2 buttons) or 28 key fobs (using all 4 buttons) or any combination up to a maximum of 96 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 key fob as you would a transmitter, entering the key fob'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.

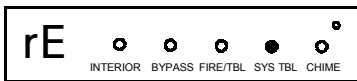
DATA ENTRY	AUX 1/AUX 2 OPTIONS
0	None
1	Relay Group 1 Toggle
2	Relay Group 2 Toggle
3	Relay Group 3 Toggle
4	Relay Group 4 Toggle
5	Relay Group 5 Toggle
6	Relay Group 6 Toggle
7	Relay Group 7 Toggle
8	Relay Group 8 Toggle
9	Panic
A	Auxiliary
B	Instant
C	Aux. Output Toggle
D	Access on Aux. Output
E	Arm STAY
F	Interior Bypass

**ZONE DESCRIPTIONS:** GEM-RP2ASe2/GEM-K2AS cannot be used to enter the date or time or Zone Descriptions. To enter this information, you must use the GEM-RP1CAe2 or GEM-K1CA Keypad (See W1818) or the Napco Quickloader Software.



**Dealer Code**

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



(Direct Entry)

**EXIT DEALER PROGRAM MODE:** This completes the custom default program. Press  to enter the Direct Address Program Mode for further programming or press  once again to end all programming 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  to enter the Address Program Mode; (b) access Location 4091 (Clear Program) or 4093 (Cold Start); (c) press  and then (d) press  to exit the Dealer Program Mode. A "SYSTEM TROUBLE/ED9-00 SERVICE" will occur. Press  to silence the keypad.

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

Use this feature to erase the Panel Program, while maintaining Scheduled Data and Zone Descriptions. Access address 4091 and press . Data entry is not allowed. **NOTE:** Enter Easy Menu Driven Program Mode to reprogram system.

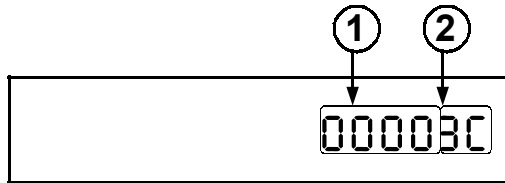
**Cold Start (Erases Entire Program)**

This erases all programmed data (Dealer Program, Zone Description Data and Schedules). Access address 4093 and press . Data entry is not allowed. **NOTE:** Some features (schedules) can only be programmed again with the Downloading Software.

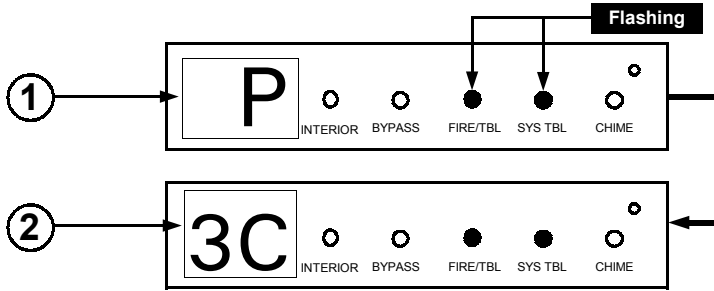




# KEYPAD ADDRESS PROGRAM MODE DISPLAY

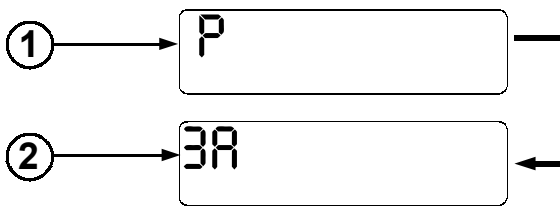


GEM-RP2ASe2/GEM-K2AS Keypads



Press **MENU** followed by (1) the 4 digit address location, and (2) the corresponding data shown.

GEM-RP3DGTL/GEM-K3DGTL Keypads



Press **MENU** followed by (1) the 4 digit address location, and (2) the corresponding data shown. **Note:** A long beep sounds when in Address Program Mode.

GEM-RP4RFC/GEM-K4RF Keypads

**1** = ADDRESS LOCATION      **2** = DATA ENTRY LOCATION (Left and Right Digits)

## DIRECT ADDRESS PROGRAM MODE KEYPAD COMMANDS

### A. GEM-K2AS (and GEM-RP2ASe2) Keypad

To access, press **RESET** in Dealer Program Mode

1. Toggle Cursor to 4-digit address field using the **MENU** button.
2. Enter address Number directly using number buttons (0-9).
3. Enter Data directly using number buttons.\*
4. Press the **ENTER** button to save.

To exit, press **RESET**.

**NOTE:** Press **0** button to clear character at cursor. \_\_\_\_\_  
 Select NEXT/PRIOR Address. \_\_\_\_\_  
 Press **\* STAY** to jump to next programming block.

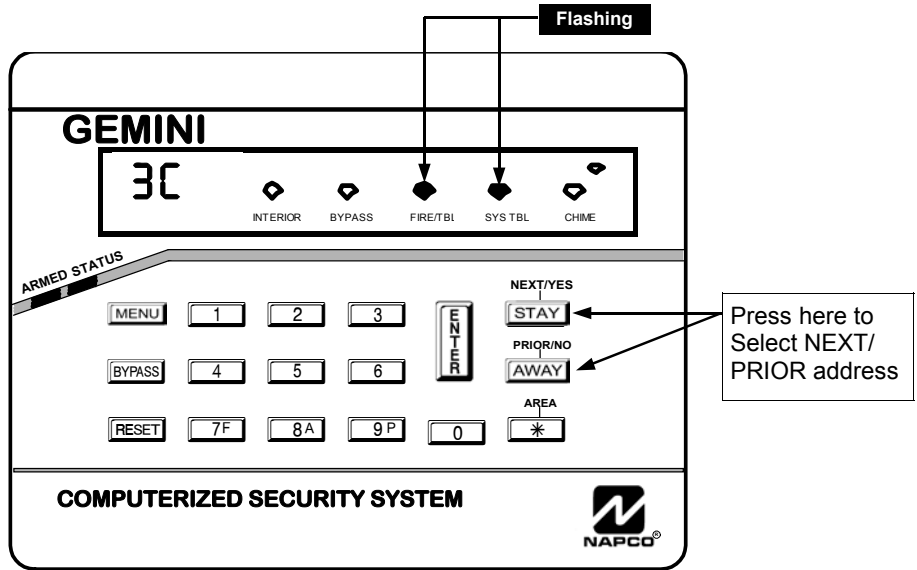
\* Press **\* 0** through **\* 5** for 10-15, respectively.

DIRECT ADDRESS PROGRAM MODE

## B. GEM-K3DGTL/GEM-RP3DGTL and GEM-RP4RFC/GEM-K4RF Keypads

To access Direct Address Program Mode, press **RESET** in the Easy Menu Mode.

1. Press **MENU**.
2. Enter the 4 digit Address location directly using number buttons (0-9).
3. Enter the 2 digit data directly using number buttons (0-9).
4. Press **ENTER** to save.  
To exit, press **RESET**.



**NOTE:** "A" = \* 0 ; "B" = \* 1 ; "C" = \* 2 ; "D" = \* 3 ; "E" = \* 4 ; "F" = \* 5 . Press 0 for a zero or to clear.

**DIRECT ADDRESS PROGRAM MODE**

### Example: GEM-RP2ASe2 / GEM-RP3DGTL / GEM-RP4RFC--Direct Address Programming

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

#### DETERMINE THE DATA ENTRIES

1. Referring to ZONE FEATURES in the Programming Worksheets that follow, Exit/Entry Follower for Zones 5 through 8 are located at address 0506, left digit. Circle the data values for Zones 5–8.
2. Add the data values for Zones 6, 7 and 8: 2+4+8=14. From Tables 1 and 2, "14" (E) is entered as press \* 4 . The right digit (for Zones 1 through 4, none of which are Exit/Entry Follower Zones) is entered as a blank (\*).

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






ENTER DATA

#### PROGRAM THE DATA ENTRIES

1. Enter the panel's Dealer Security Code (Address 0500), then press **MENU**.
2. Answer NO (**INSTANT**) to all questions until "ACTIVATE PROGRAM Y/N" is displayed; then press the NEXT/YES button.  
**NOTE:** If you pass "ACTIVATE PROGRAM", scroll backward using **BYPASS**.
3. Press **RESET** to enter the Address Program Mode. Address "0000" will display.
4. Press 0 5 0 6 to access Address 0506. The data for both digits will display and the cursor will advance to the data field.
5. Press \* 4 to enter an "E" in the left digit and press 0 to enter a blank (\*) in the right digit.
6. Press **ENTER** to save. Address 0506 is now programmed with "E \*".
7. Enter another 4-digit address to continue programming or press **RESET** to exit and resume normal keypad operation.



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

-  Use **MENU** to toggle the cursor between the 4-digit address field and the data entry locations.
-  Enter the address directly using the number buttons.
-  The contents of the address will be read automatically, along with the feature name and programming information. 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 **RESET** to exit and resume normal keypad operation.











## CONVENTIONS USED IN THIS MANUAL

























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 PCD-Windows 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.

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

**NOTE:** See the Direct Address Programming Example on the previous page.

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## SYSTEM DELAYS & TIMEOUTS (ADDRESS 0000-0002, 2402, 2406, 2414 & 3902)

EXIT DELAY (sec.)	<b>ADDRESS 0000</b>	
	LEFT	RIGHT

[Default = 3C]

ENTRY DELAY 1 (sec.)	<b>ADDRESS 0001</b>	
	LEFT	RIGHT

[Default = 1E]

ENTRY DELAY 2 (sec.)	<b>ADDRESS 0002</b>	
	LEFT	RIGHT

[Default = 1 E]

Aux. Output Access Control Timeout (sec.)	<b>ADDRESS 2402</b>	
	LEFT	RIGHT

[Default = blank (•) blank (•)]

ABORT DELAY (sec.)	<b>ADDRESS 2406</b>	
	LEFT	RIGHT

[Default = blank (•) blank (•)]

Telephone Line Test Delay (sec.)	<b>ADDRESS 2414</b>	
	LEFT	RIGHT

[Default = blank (•) blank (•)]

CS Telco 3 Report Delay (sec.)	<b>ADDRESS 3902</b>	
	LEFT	RIGHT

[Default = blank (•) blank (•)]

DATA ENTRIES		
LEFT	RIGHT	DELAY/ TIMEOUT
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:

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

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

**EXIT/ENTRY DELAYS:** Apply only to zones programmed with the following options "Entry/Exit 1, Entry/Exit 2, Exit/Entry Follower". For UL Installations, the maximum exit delay is 60 seconds and the maximum entry delay is 45 seconds.

**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 2407, 2408 & 4088)

CHIME TIMEOUT (¼sec.)	<b>ADDRESS 2407</b>	
	LEFT	RIGHT

[Default = blank (•) 2]

AC Fail Report Delay (min.)	<b>ADDRESS 2408</b>	
	LEFT	RIGHT

[Default = blank (•) blank (•)]

Sensor Watch Delay (Hr.)	<b>ADDRESS 4088</b>	
	LEFT	RIGHT

[Default = blank (•) blank (•)]

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	10 min.
blank (•)	2	20 min.
blank (•)	3	30 min.
blank (•)	4	40 min.
blank (•)	5	50 min.
blank (•)	6	60 min.
blank (•)	7	70 min.
↓	↓	↓
F	F	2550 min. = 42 Hr., 30 min.

SENSOR WATCH OPTIONS		
DATA ENTRIES		DELAY
LEFT	RIGHT	
blank (•)	blank (•)	0 Hr.
blank (•)	1	1 Hr.
blank (•)	2	2 Hr.
blank (•)	3	3 Hr.
blank (•)	4	4 Hr.
blank (•)	5	5 Hr.
blank (•)	6	6 Hr.
blank (•)	7	7 Hr.
↓	↓	↓
F	F	255 Hr.

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:

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

- A. Choose a desired delay/timeout , ex: 20. **Note:** For Sensor Watch only divide it by 10, ex: 20/10 = 2.
- B. Divide it by 16

**SYSTEM DELAYS/TIMEOUTS**



## SYSTEM DELAYS & TIMEOUTS (ADDRESS 2400, 2401, 2403-2405, 4082 & 4083)

Reset Output Timeout (min.)	ADDRESS 2400	
	LEFT	RIGHT

[Default = blank]

Aux. Output Timeout (min.)	ADDRESS 2401	
	LEFT	RIGHT

[Default = blank (\*)]

Burg. Alarm Output Timeout (min.)	ADDRESS 2403	
	LEFT	RIGHT

[Default = 1 blank (\*)]

Pulse Alarm Output Timeout (min.)	ADDRESS 2404	
	LEFT	RIGHT

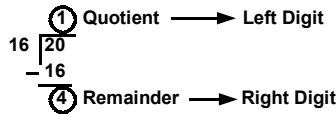
[Default = blank (\*) 1]

Fire Output Timeout (min.)	ADDRESS 2405	
	LEFT	RIGHT

[Default = 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

**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.

\*Address 4082: When "Enable CP-01 Features" is selected in the Easy Program menu, this time is set to 7 minutes.

Report Cancel Window (Min.)	ADDRESS 4082	
	LEFT	RIGHT

[Default = blank (\*) blank (\*)]  
Program for at least 5 minutes in a CP-01 installation.\*

Auto Disarm Rearm Delay (min.)	ADDRESS 4083	
	LEFT	RIGHT

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

## KEYPAD SYSTEM CODES (ADDRESS 0490, 0495 & 0500)

Panel Access Code	ADDRESS 0490-0492					
	0490		0491		0492	
	L	R	L	R	L	R

[Default = blank (\*) blank (\*) from address 0490-0492]

**PANEL ACCESS CODE:** Enter up to 6 digits to activate a door strike while the area is disarmed.

1. Enter in both left and right digits of address locations.
2. Valid entries are: 0-9.

**Note:** Also, "Access Control on Aux. Output" (Address 2418) and "Aux. Output Access Control Timeout" (Address 2402) must both be enabled.

Ambush Code	ADDRESS 0495	
	LEFT	RIGHT

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

**AMBUSH CODE:** Enter a 2-digit code used just prior to disarming and will activate an Ambush Condition, causing a SILENT report to be sent to the central station.

1. Enter in both left and right digits of address locations.
2. Valid entries are: 0-9.

**Note:** Also, "Enable Keypad Ambush" (Address 2440-2446), "Report on Ambush Alarm" (Address 1125, 1127, 1135 & 1137) and "Ambush Code" (Address 0900) must all be enabled.

Dealer Security Code	ADDRESS 0500-0502					
	0500		0501		0502	
	L	R	L	R	L	R

[Default = blank (\*) blank (\*) from address 0500-0502]

**DEALER SECURITY CODE:** Enter up to 6 digits to be used by the dealer to enter programming.

1. Enter in both left and right digits of address locations.
2. Valid entries are: 0-9.

**Note:** If left blank, the Master Security Code must then be used to enter programming.

# CS RECEIVER FORMAT OPTIONS (ADDRESS 0520, 0521, 0525, 0526, 0550, 0551, 0575 & 0576)

CS Receiver 1 Format	ADDRESS 0525	
	LEFT	RIGHT

CS Receiver 2 Format	ADDRESS 0550	
	LEFT	RIGHT

CS Receiver 3 Format	ADDRESS 0575	
	LEFT	RIGHT

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

DATA ENTRIES		CS RECEIVER FORMATS
LEFT	RIGHT	
blank (*)	blank (*)	Ademco Slow, Silent Knight Slow
blank (*)	1	Sescoa, Vertex, DCI, Franklin Fast
blank (*)	2	Radionics Fast
blank (*)	3	Silent Knight Fast
blank (*)	4	Radionics, DCI, Franklin Slow
blank (*)	5	Universal High Speed
blank (*)	8	Radionics BFSK
blank (*)	9	FBI 4/3/1
blank (*)	0	Radionics Modem 2
blank (*)	B	SIA
blank (*)	C	Ademco Point ID
blank (*)	D	Ademco Express
blank (*)	E	Pager
1	blank (*)	Radionics Modem IIe

**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 left and right digit address locations for each CS Receiver.

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

Leading Digits for Pager Format (1st Digit)	ADDRESS 0520	
	LEFT	RIGHT
	blank (*)	

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

Leading Digits for Pager Format (2nd Digit)	ADDRESS 0521	
	LEFT	RIGHT
	blank (*)	

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

**LEADING DIGITS FOR PAGER FORMAT:** In Pager Format reporting, the message typically begins with "00". However, for some pager services, this will cause the Pager's Voice Mail feature to activate. This option allows you to program these digits to any number desired. Typical Pager report is "003 022 1234", where 3 is the Event, 22 is the zone, and 1234 is the Subscriber ID number. For example, if the Leading Digits are programmed as "98", the Pager report will now appear as "983 022 1234".

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.

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

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

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

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

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

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

CS RECEIVER FORMAT OPTIONS

## CS RECEIVER TELEPHONE NUMBERS (ADDRESS 0527-0546, 0552-0571, 0577-0596)

CS Receiver 1 Telephone Number (Digits 1-20)	ADDRESS 0527-0546 (RIGHT DIGITS 1-20)																			
	0527	0528	0529	0530	0531	0532	0533	0534	0535	0536	0537	0538	0539	0540	0541	0542	0543	0544	0545	0546
	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 0552-0571 (RIGHT DIGITS 1-20)																			
	0552	0553	0554	0555	0556	0557	0558	0559	0560	0561	0562	0563	0564	0565	0566	0567	0568	0569	0570	0571
	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 0577-0596 (RIGHT DIGITS 1-20)																			
	0577	0578	0579	0580	0581	0582	0583	0584	0585	0586	0587	0588	0589	0590	0591	0592	0593	0594	0595	0596
	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 = [\*] button, C = [#] button, D = 3 sec. pause, E = Wait for dial tone, F = ignore location

## DOWNLOAD/CALLBACK OPTIONS (ADDRESS 4089, 0600-0619, 0625-0647, 1022 & 1023)

No. Rings Before Pickup	ADDRESS 4089	
	LEFT	RIGHT
	blank (*)	

[Default = blank (\*) F]

**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: 3-15, 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 1 (Digits 1-20)	ADDRESS 0600-0619 (RIGHT DIGITS 1-20)																			
	0600	0601	0602	0603	0604	0605	0606	0607	0608	0609	0610	0611	0612	0613	0614	0615	0616	0617	0618	0619
	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 2 (Digits 1-20)	ADDRESS 0625-0644 (RIGHT DIGITS 1-20)																			
	0625	0626	0627	0628	0629	0630	0631	0632	0633	0634	0635	0636	0637	0638	0639	0640	0641	0642	0643	0644
	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 NUMBERS:** Enter telephone numbers to be used when downloading from a computer.

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: 0-9, B = [\*] button, C = [#] button, D = 3 sec. pause, E = Wait for dial tone, F = ignore location

Download Security Code	ADDRESS 0645-0647					
	0645		0646		0647	
	L	R	L	R	L	R

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

Callback Telephone No. Select	ADDRESS 1022	
	LEFT	RIGHT
	blank (*)	

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

Auto Download ID No.	ADDRESS 1023	
	LEFT	RIGHT

Valid entries - 01-99

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

**DOWNLOAD SECURITY CODE:** Enter up to 6 digits to be used for remote access when downloading from a computer.

1. Enter in both left and right digits of address locations.
2. Valid entries are: 0-9.

**Note:** Download Security Code must match the code entered in the PCD3000 Software.

**CALLBACK TELEPHONE NO. SELECT:** Enter either "1" for Callback Telephone Number 1 or "2" for Callback Telephone Number 2.

1. Enter in right digit only (left digit is not used).
2. Valid entries are: 1 or 2.

**CS SUBSCRIBER ID NUMBERS (ADDRESS 0650-0787)**

**CS TELCO 1 SUBSCRIBER OPENING/CLOSING ID NUMBERS**

AREA 1			
ADDRESS 0650-0653 (RIGHT DIGITS 1-4)			
0650	0651	0652	0653
R	R	R	R

AREA 2			
ADDRESS 0654-0657 (RIGHT DIGITS 1-4)			
0654	0655	0656	0657
R	R	R	R

**CS TELCO 1 SUBSCRIBER EVENT ID NUMBERS**

AREA 1			
ADDRESS 0682-0685 (RIGHT DIGITS 1-4)			
0682	0683	0684	0685
R	R	R	R

AREA 2			
ADDRESS 0686-0689 (RIGHT DIGITS 1-4)			
0686	0687	0688	0689
R	R	R	R

SYSTEM			
ADDRESS 0714-0717 (RIGHT DIGITS 1-4)			
0714	0715	0716	0717
R	R	R	R

**CS TELCO 2 SUBSCRIBER OPENING/CLOSING ID NUMBERS (BACKUP REPORTING)**

AREA 1			
ADDRESS 0720-0723 (RIGHT DIGITS 1-4)			
0720	0721	0722	0723
R	R	R	R

AREA 2			
ADDRESS 0724-0727 (RIGHT DIGITS 1-4)			
0724	0725	0726	0727
R	R	R	R

**CS TELCO 2 SUBSCRIBER EVENT ID NUMBERS (BACKUP REPORTING)**

AREA 1			
ADDRESS 0752-0755 (RIGHT DIGITS 1-4)			
0752	0753	0754	0755
R	R	R	R

AREA 2			
ADDRESS 0756-0759 (RIGHT DIGITS 1-4)			
0756	0757	0758	0759
R	R	R	R

SYSTEM			
ADDRESS 0784-0787 (RIGHT DIGITS 1-4)			
0784	0785	0786	0787
R	R	R	R

**CS SUBSCRIBER ID NUMBERS (TELCO 1 & 2)**



## CS SUBSCRIBER ID NUMBERS (ADDRESS 0790-0857)

### CS TELCO 3 SUBSCRIBER OPENING/CLOSING ID NUMBERS

AREA 1			
ADDRESS 0790-0793 (RIGHT DIGITS 1-4)			
0790	0791	0792	0793
R	R	R	R

AREA 2			
ADDRESS 0794-0797 (RIGHT DIGITS 1-4)			
0794	0795	0796	0797
R	R	R	R

### CS TELCO 3 SUBSCRIBER EVENT ID NUMBERS

AREA 1			
ADDRESS 0822-0825 (RIGHT DIGITS 1-4)			
0822	0823	0824	0825
R	R	R	R

AREA 2			
ADDRESS 0826-0829 (RIGHT DIGITS 1-4)			
0826	0827	0828	0829
R	R	R	R

SYSTEM			
ADDRESS 0854-0857 (RIGHT DIGITS 1-4)			
0854	0855	0856	0857
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: 0-9, 0 and B-F.

## CS REPORTING CODES (ADDRESS 0859-0907)

ALARM/TROUBLE REPORTING CODES	ADDRESS 0860-0862		
	LEFT	ADDR	RIGHT
Cancel	blank (*)	0859	
Alarm Restore	blank (*)	0860	
Trouble	blank (*)	0861	
Trouble Restore	blank (*)	0862	

[Default = blank (\*) blank (\*) from address 0859-0869]

OPENING/CLOSING REPORTING CODES	ADDRESS 0864-0907	
		ADDR
Closing	blank (*)	0864
Conditional Closing	blank (*)	0865
Opening	blank (*)	0866
Opening after Alarm	blank (*)	0867
Fail to Close		0868
Fail to Open		0869
Telemetry Trouble		0882
Telemetry Fail		0883
Exit Error		0906
Recent Close		0905
Fault Find		0907

### CS REPORTING CODES:

1. Enter in corresponding address location (left and right digits).
2. Valid entries are: 1-9, 0 and B-F.  
**NOTE:** Dark shaded data value box shows option not available.



## CS REPORTING CODES (ADDRESS 0870-0904)

SYSTEM REPORTING CODES	ADDRESS 0870-0880		
	LEFT	ADDR	RIGHT
Test Timer		0870	
Alarm Supervisory		0871	
Bus Failure		0872	
Memory Failure		0873	
Panel Low Battery		0874	
Panel AC Failure		0875	
EZM Tamper		0876	
Sensor Watch		0877	
RESERVED	blank (*)	0878	blank (*)
RESERVED	blank (*)	0879	blank (*)
Telco Line Failure		0880	

SYSTEM REPORTING CODES	ADDRESS 0890-0897		
	LEFT	ADDR	RIGHT
Digital Dialer Test		0890	
RESERVED		0891	blank (*)
RESERVED		0892	blank (*)
Service Message		0893	
Program Change		0894	
RF Receiver Trouble		0895	
RF Tamper		0896	
RF Trouble		0897	

KEYPAD REPORTING CODES	ADDRESS 0900-0904		
	LEFT	ADDR	RIGHT
Ambush		0900	
Panic		0901	
Fire		0902	
Auxiliary		0903	
Tamper		0904	

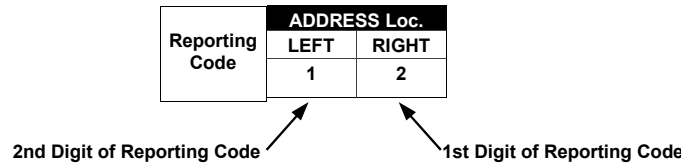
[Default = blank (\*) blank (\*) from address 0870-0904]

### CS REPORTING CODES:

1. Enter in corresponding address location (left and right digits).
2. Valid entries are: 1-9, 0 and B-F.

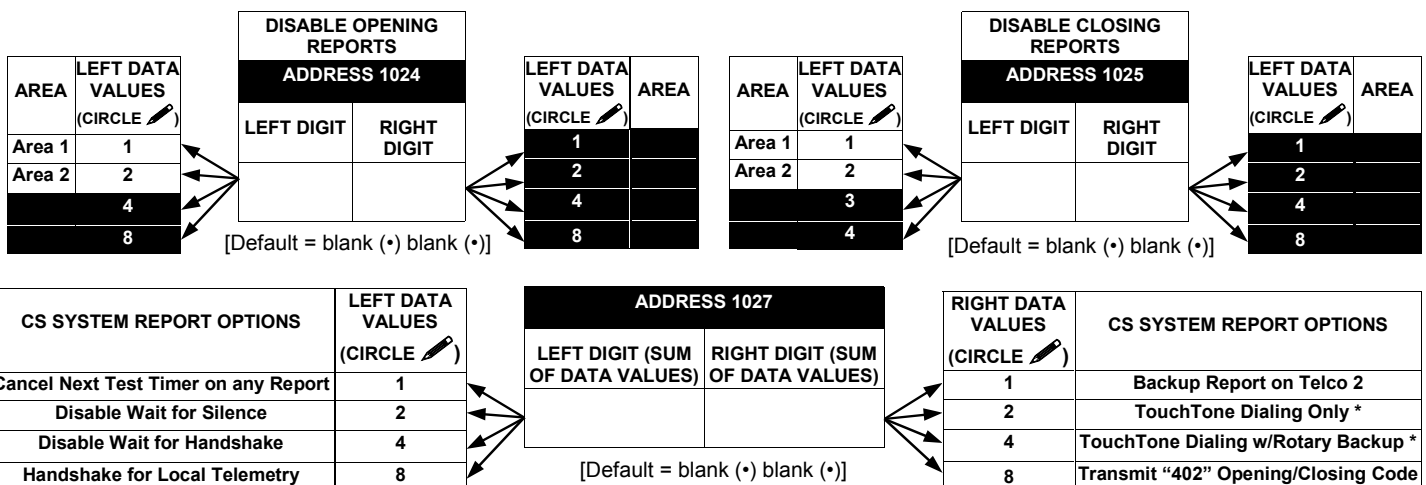
**NOTE:** Dark shaded data value box shows option not available.

**CAUTION:** For all 2-Digit Reporting Formats (see CS Receiver Format Options), use the following:



Example: The 2-digit reporting code as shown is "21".

## CS AREA & SYSTEM REPORTING OPTIONS (ADDRESS 1024-1027)



### 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 TouchTone Dialing nor TouchTone w/Rotary Backup is selected, then system defaults automatically to Rotary Dialing. Leave blank (\*) to select Rotary Dialing.

**CS REPORTING CODES & CS REPORTING OPTIONS**



## CS ZONE REPORTING CODES (ADDRESS 0910-0957)

ADDRESS 0910-0917							
ZONES REPORT CODE (CONTROL PANEL)							
ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
0910	0911	0912	0913	0914	0915	0916	0917
L R	L R	L R	L R	L R	L R	L R	L R

ADDRESS 0918-0921			
ZONES REPORT CODE (GROUP 1)			
ZONE 9	ZONE 10	ZONE 11	ZONE 12
0918	0919	0920	0921
L R	L R	L R	L R

ADDRESS 0922-0925			
ZONES REPORT CODE (GROUP 2)			
ZONE 13	ZONE 14	ZONE 15	ZONE 16
0922	0923	0924	0925
L R	L R	L R	L R

ADDRESS 0926-0929			
ZONES REPORT CODE (GROUP 3)			
ZONE 17	ZONE 18	ZONE 19	ZONE 20
0926	0927	0928	0929
L R	L R	L R	L R

ADDRESS 0930-0933			
ZONES REPORT CODE (GROUP 4)			
ZONE 21	ZONE 22	ZONE 23	ZONE 24
0930	0931	0932	0933
L R	L R	L R	L R

ADDRESS 0934-0937			
ZONES REPORT CODE (GROUP 5)			
ZONE 25	ZONE 26	ZONE 27	ZONE 28
0934	0935	0936	0937
L R	L R	L R	L R

ADDRESS 0938-0941			
ZONES REPORT CODE (GROUP 6)			
ZONE 29	ZONE 30	ZONE 31	ZONE 32
0938	0939	0940	0941
L R	L R	L R	L R

ADDRESS 0942-0945			
ZONES REPORT CODE (GROUP 7)			
ZONE 33	ZONE 34	ZONE 35	ZONE 36
0942	0943	0944	0945
L R	L R	L R	L R

ADDRESS 0946-0949			
ZONES REPORT CODE (GROUP 8)			
ZONE 37	ZONE 38	ZONE 39	ZONE 40
0946	0947	0948	0949
L R	L R	L R	L R

ADDRESS 0950-0953			
ZONES REPORT CODE (GROUP 9)			
ZONE 41	ZONE 42	ZONE 43	ZONE 44
0950	0951	0952	0953
L R	L R	L R	L R

ADDRESS 0954-0957			
ZONES REPORT CODE (GROUP 10)			
ZONE 45	ZONE 46	ZONE 47	ZONE 48
0954	0955	0956	0957
L R	L R	L R	L R

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

ZONE REPORT CODE OPTIONS	
DATA ENTRIES	
LEFT	RIGHT

**NOTE:** Zones 1-8 are included in the control panel and Zones 9-32 are EZM Zones. Zones 33-48 are wireless. See Address 2600-2605 to enable "EZM Zone Groups".

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

**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 0918), if the right digit is "3", then the reporting code is "39". For example, for zone 15 (address 0924), if the right digit is "4", then the reporting code is "45".

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

1. Select the desired Modem Code for each zone from the table shown.

## CS USER REPORTING CODES (ADDRESS 1030-1055)

User Opening Telco 1	LEFT DATA VALUES				ADDRESS 1031		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 1030		RIGHT DATA VALUES			
	User 16	User 15	User 14	User 13	LEFT	RIGHT	User 12	User 11	User 10	User 9	User 8	User 7	User 6	User 5	LEFT	RIGHT	User 4	User 3	User 2	User 1
	8	4	2	1			8	4	2	1	8	4	2	1			8	4	2	1

User Opening Telco 1	LEFT DATA VALUES				ADDRESS 1033		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 1032		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	LEFT DATA VALUES				ADDRESS 1035		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 1034		RIGHT DATA VALUES			
	User 48	User 47	User 46	User 45	LEFT	RIGHT	User 44	User 43	User 42	User 41	User 40	User 39	User 38	User 37	LEFT	RIGHT	User 36	User 35	User 34	User 33
	8	4	2	1			8	4	2	1	8	4	2	1			8	4	2	1

User Opening Telco 1	ADDRESS 1042		RIGHT DATA VALUES			
	LEFT	RIGHT	User 00	User 99	User 98	User 97
	blank (*)		8	4	2	1

User 97 = Auto Arming/Disarming  
 User 98 = Quickloader Arming/Disarming  
 User 99 = Easy Arming (Opening not applicable)  
 User 00 = Keyswitch Arming

**NOTE:** These opening events will report as the user number shown. Also, Keyfobs 1-8 (see Easy Menu Program Driven Mode) will report as Users 25-32, respectively.

User Closing Telco 1	LEFT DATA VALUES				ADDRESS 1044		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 1043		RIGHT DATA VALUES			
	User 16	User 15	User 14	User 13	LEFT	RIGHT	User 12	User 11	User 10	User 9	User 8	User 7	User 6	User 5	LEFT	RIGHT	User 4	User 3	User 2	User 1
	8	4	2	1			8	4	2	1	8	4	2	1			8	4	2	1

User Closing Telco 1	LEFT DATA VALUES				ADDRESS 1046		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 1045		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	LEFT DATA VALUES				ADDRESS 1048		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 1047		RIGHT DATA VALUES			
	User 48	User 47	User 46	User 45	LEFT	RIGHT	User 44	User 43	User 42	User 41	User 40	User 39	User 38	User 37	LEFT	RIGHT	User 36	User 35	User 34	User 33
	8	4	2	1			8	4	2	1	8	4	2	1			8	4	2	1

User Closing Telco 1	ADDRESS 1055		RIGHT DATA VALUES			
	LEFT	RIGHT	User 00	User 99	User 98	User 97
	blank (*)		8	4	2	1

User 97 = Auto Arming/Disarming  
 User 98 = Quickloader Arming/Disarming  
 User 99 = Easy Arming (Opening not applicable)  
 User 00 = Keyswitch Arming

**NOTE:** These closing 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 CODES (ADDRESS 1056-1081)

User Opening Telco 3	LEFT DATA VALUES				ADDRESS 1057		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 1056		RIGHT DATA VALUES			
	User 16	User 15	User 14	User 13	LEFT	RIGHT	User 12	User 11	User 10	User 9	User 8	User 7	User 6	User 5	LEFT	RIGHT	User 4	User 3	User 2	User 1
	8	4	2	1			8	4	2	1	8	4	2	1			8	4	2	1

User Opening Telco 3	LEFT DATA VALUES				ADDRESS 1059		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 1058		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	LEFT DATA VALUES				ADDRESS 1061		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 1060		RIGHT DATA VALUES			
	User 48	User 47	User 46	User 45	LEFT	RIGHT	User 44	User 43	User 42	User 41	User 40	User 39	User 38	User 37	LEFT	RIGHT	User 36	User 35	User 34	User 33
	8	4	2	1			8	4	2	1	8	4	2	1			8	4	2	1

User Opening Telco 3	ADDRESS 1068		RIGHT DATA VALUES			
	LEFT	RIGHT	User 00	User 99	User 98	User 97
	blank (*)		8	4	2	1

User 97 = Auto Arming/Disarming  
 User 98 = Quickloader Arming/Disarming  
 User 99 = Easy Arming (Opening not applicable)  
 User 00 = Keyswitch Arming

**NOTE:** These opening events will report as the user number shown. Also, Keyfobs 1-8 (see Easy Menu Program Driven Mode) will report as Users 25-32, respectively.

**CS USER REPORTING CODES**

User Closing Telco 3	LEFT DATA VALUES				ADDRESS 1070		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 1069		RIGHT DATA VALUES			
	User 16	User 15	User 14	User 13	LEFT	RIGHT	User 12	User 11	User 10	User 9	User 8	User 7	User 6	User 5	LEFT	RIGHT	User 4	User 3	User 2	User 1
	8	4	2	1			8	4	2	1	8	4	2	1			8	4	2	1

User Closing Telco 3	LEFT DATA VALUES				ADDRESS 1072		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 1071		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	LEFT DATA VALUES				ADDRESS 1074		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 1073		RIGHT DATA VALUES			
	User 48	User 47	User 46	User 45	LEFT	RIGHT	User 44	User 43	User 42	User 41	User 40	User 39	User 38	User 37	LEFT	RIGHT	User 36	User 35	User 34	User 33
	8	4	2	1			8	4	2	1	8	4	2	1			8	4	2	1


User Closing Telco 3	ADDRESS 1081		RIGHT DATA VALUES			
	LEFT	RIGHT	User 00	User 99	User 98	User 97
	blank (*)		8	4	2	1



User 97 = Auto Arming/Disarming  
 User 98 = Quickloader Arming/Disarming  
 User 99 = Easy Arming (Opening not applicable)  
 User 00 = Keyswitch Arming

**NOTE:** These closing 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.



## GLOBAL SYSTEM TROUBLE REPORTING OPTIONS (ADDRESS 1082-1116)


SYSTEM RESPONSE ACTIVATED BY GLOBAL EVENT/TROUBLE	GLOBAL SYSTEM EVENT/TROUBLE				ADDRESS 1082-1092			GLOBAL SYSTEM EVENT/TROUBLE			
	LEFT DATA VALUES (CIRCLE  )							RIGHT DATA VALUES (CIRCLE  )			
	SENSOR WATCH	EZM TAMPER	AC FAIL	LOW BATTERY	LEFT	ADDR	RIGHT	MEMORY FAILURE	COMM. BUS 1	ALARM SUPERV.	TEST TIMER
Burglary Alarm Output	8	4	2	1		1082		8	4	2	1
Pulsed Burg. Output	8	4	2	1		1083		8	4	2	1
Fire Output	8	4	2	1		1084		8	4	2	1
Reset Relay	8	4	2	1		1085		8	4	2	1
Auxiliary Relay	8	4	2	1		1086		8	4	2	1
Report Event Telco 1	8	4	2	1		1087		8	4	2	1
Report Restore Telco 1	8	4	2	1		1088		8	4	2	1
Report Event Telco 3	8	4	2	1		1091		8	4	2	1
Report Restore Telco 3	8	4	2	1		1092		8	4	2	1





See NOTE  [Default = blank (•) blank (•) from address 1082-1092]

SYSTEM RESPONSE ACTIVATED BY GLOBAL EVENT/TROUBLE	GLOBAL SYSTEM EVENT/TROUBLE				ADDRESS 1094-1104			GLOBAL SYSTEM EVENT/TROUBLE			
	LEFT DATA VALUES (CIRCLE  )							RIGHT DATA VALUES (CIRCLE  )			
	RSRVD.	RSRVD.	RSRVD.	RSRVD.	LEFT	ADDR	RIGHT	Telemetry Failure	Telemetry Trouble	RSRVD.	TELCO FAIL
Burglary Alarm Output	8	4	2	1	blank (•)	1094		8	4	2	1
Pulsed Burg. Output	8	4	2	1	blank (•)	1095		8	4	2	1
Fire Output	8	4	2	1	blank (•)	1096		8	4	2	1
Reset Relay	8	4	2	1	blank (•)	1097		8	4	2	1
Auxiliary Relay	8	4	2	1	blank (•)	1098		8	4	2	1
Report Event Telco 1	8	4	2	1	blank (•)	1099		8	4	2	1
Report Restore Telco 1	8	4	2	1	blank (•)	1100		8	4	2	1
Report Event Telco 3	8	4	2	1	blank (•)	1103		8	4	2	1
Report Restore Telco 3	8	4	2	1	blank (•)	1104		8	4	2	1

[Default = blank (•) blank (•) from address 1094-1104]

SYSTEM RESPONSE ACTIVATED BY GLOBAL EVENT/TROUBLE	GLOBAL SYSTEM EVENT/TROUBLE				ADDRESS 1106-1116			GLOBAL SYSTEM EVENT/TROUBLE			
	LEFT DATA VALUES (CIRCLE  )							RIGHT DATA VALUES (CIRCLE  )			
	RF TROUBLE	RF TAMPER	RF RCVR.	PROGRAM CHANGE	LEFT	ADDR	RIGHT	SERVICE MESSAGE	RSRVD.	RSRVD.	Digital Dialer Test
Burglary Alarm Output	8	4	2	1		1106		8	4	2	1
Pulsed Burg. Output	8	4	2	1		1107		8	4	2	1
Fire Output	8	4	2	1		1108		8	4	2	1
Reset Relay	8	4	2	1		1109		8	4	2	1
Auxiliary Relay	8	4	2	1		1110		8	4	2	1
Report Event Telco 1	8	4	2	1		1111		8	4	2	1
Report Restore Telco 1	8	4	2	1	blank (•)	1112	blank (•)	8	4	2	1
Report Event Telco 3	8	4	2	1		1115		8	4	2	1
Report Restore Telco 3	8	4	2	1	blank (•)	1116	blank (•)	8	4	2	1

See NOTE  [Default = blank (•) blank (•) from address 1106-1116]

-  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.



## AREA SYSTEM TROUBLE REPORTING OPTIONS (ADDRESS 1120-1137)

AREA 1	SYSTEM RESPONSE ACTIVATED BY AREA 1 EVENT/TROUBLE	AREA 1 SYSTEM EVENT/TROUBLE				ADDRESS 1120-1127			AREA 1 SYSTEM EVENT/TROUBLE			
		LEFT DATA VALUES (CIRCLE )				LEFT	ADDR	RIGHT	RIGHT DATA VALUES (CIRCLE )			
		RSRVD.	FAIL TO CLOSE	FAIL TO OPEN	KEYPAD TAMPER				KEYPAD AUX.	KEYPAD FIRE	KEYPAD PANIC	AMBUSH
	Pulsed Burg. Output	8	4	2	1	1120		8	④	2	1	
	Burglary Output	8	4	2	1	1121		⑧	4	②	1	
	Fire Output	8	4	2	1	1122		8	4	2	1	
	Reset Relay	8	4	2	1	1123		8	4	2	1	
	Auxiliary Relay	8	4	2	1	1124		8	4	2	1	
	Report Alarm Telco 1	8	4	2	1	1125		⑧	④	②	1	
	Report Alarm Telco 3	8	4	2	1	1127		8	4	2	1	

[Defaults as circled from address 1120-1127]

AREA 2	SYSTEM RESPONSE ACTIVATED BY AREA 2 EVENT/TROUBLE	AREA 2 SYSTEM EVENT/TROUBLE				ADDRESS 1130-1137			AREA 2 SYSTEM EVENT/TROUBLE			
		LEFT DATA VALUES (CIRCLE )				LEFT	ADDR	RIGHT	RIGHT DATA VALUES (CIRCLE )			
		RSRVD.	FAIL TO CLOSE	FAIL TO OPEN	KEYPAD TAMPER				KEYPAD AUX.	KEYPAD FIRE	KEYPAD PANIC	AMBUSH
	Pulsed Burg. Output	8	4	2	1	1130		8	4	2	1	
	Burglary Output	8	4	2	1	1131		8	4	2	1	
	Fire Output	8	4	2	1	1132		8	4	2	1	
	Reset Relay	8	4	2	1	1133		8	4	2	1	
	Auxiliary Relay	8	4	2	1	1134		8	4	2	1	
	Report Alarm Telco 1	8	4	2	1	1135		8	4	2	1	
	Report Alarm Telco 3	8	4	2	1	1137		8	4	2	1	

[Default = blank (•) blank (•) from address 1130-1137]

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.

**AREA SYSTEM TROUBLE REPORTING OPTIONS**

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## ZONE OPTIONS / ZONES 1-16 (ADDRESS 1200-1386)

ZONE OPTIONS	ZONES 13-16 LEFT DATA VALUES (CIRCLE)				ADDRESS 1302-1386			ZONES 9-12 RIGHT DATA VALUES (CIRCLE)				ZONES 5-8 LEFT DATA VALUES (CIRCLE)				ADDRESS 1200-1286			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		1200		8	4	2
20ms Loop Response (A)	8	4	2	1	(-)		(-)	8	4	2	1	8	4	2	1		1201		8	4	2	1
† Priority	8	4	2	1		1302		8	4	2	1	8	4	2	1		1202		8	4	2	1
† Priority with Bypass	8	4	2	1		1303		8	4	2	1	8	4	2	1		1203		8	4	2	1
† Auto-Bypass	8	4	2	1		1304		8	4	2	1	8	4	2	1		1204		8	4	2	1
† Selective Bypass	8	4	2	1		1305		8	4	2	1	8	4	2	1		1205		8	4	2	1
† Keyswitch Arming	8	4	2	1		1306		8	4	2	1	8	4	2	1		1206		8	4	2	1
† Auto-Bypass Re-entry	8	4	2	1		1307		8	4	2	1	8	4	2	1		1207		8	4	2	1
† Pre-Alarm Warning	8	4	2	1		1308		8	4	2	1	8	4	2	1		1208		8	4	2	1
† Never Arm	8	4	2	1		1309		8	4	2	1	8	4	2	1		1209		8	4	2	1
† 24-Hour Zone	8	4	2	1		1310		8	4	2	1	8	4	2	1		1210		8	4	2	1
† Burg. Alarm Output	8	4	2	1		1311		8	4	2	1	8	4	2	1		1211		8	4	2	1
† Pulsed Alarm Output	8	4	2	1		1312		8	4	2	1	8	4	2	1		1212		8	4	2	1
† Fire Output (Lug E9)	8	4	2	1		1313		8	4	2	1	8	4	2	1		1213		8	4	2	1
† Reset Relay	8	4	2	1		1314		8	4	2	1	8	4	2	1		1214		8	4	2	1
† Auxiliary Relay	8	4	2	1		1315		8	4	2	1	8	4	2	1		1215		8	4	2	1
† Entry/Exit 1	8	4	2	1		1316		8	4	2	1	8	4	2	1		1216		8	4	2	1
† Entry/Exit 2	8	4	2	1		1317		8	4	2	1	8	4	2	1		1217		8	4	2	1
† Exit/Entry Follower	8	4	2	1		1318		8	4	2	1	8	4	2	1		1218		8	4	2	1
⊗ Auto Reset	8	4	2	1		1319		8	4	2	1	8	4	2	1		1219		8	4	2	1
⊗ Swinger Shutdown	8	4	2	1		1320		8	4	2	1	8	4	2	1		1220		8	4	2	1
† Chime	8	4	2	1		1321		8	4	2	1	8	4	2	1		1221		8	4	2	1
† Abort Delay	8	4	2	1		1322		8	4	2	1	8	4	2	1		1222		8	4	2	1
† Power-up Delay	8	4	2	1		1323		8	4	2	1	8	4	2	1		1223		8	4	2	1
† Day Zone Open	8	4	2	1		1324		8	4	2	1	8	4	2	1		1224		8	4	2	1
† Day Zone Short	8	4	2	1		1325		8	4	2	1	8	4	2	1		1225		8	4	2	1
† Alarm on Day Zone	8	4	2	1		1326		8	4	2	1	8	4	2	1		1226		8	4	2	1
† Alarm Telco 1	8	4	2	1		1327		8	4	2	1	8	4	2	1		1227		8	4	2	1
† Alarm Restore 1	8	4	2	1		1328		8	4	2	1	8	4	2	1		1228		8	4	2	1
† Trouble Telco 1	8	4	2	1		1329		8	4	2	1	8	4	2	1		1229		8	4	2	1
† Trouble Restore 1	8	4	2	1		1330		8	4	2	1	8	4	2	1		1230		8	4	2	1
† Alarm Telco 3	8	4	2	1		1335		8	4	2	1	8	4	2	1		1235		8	4	2	1
† Alarm Restore 3	8	4	2	1		1336		8	4	2	1	8	4	2	1		1236		8	4	2	1
† Trouble Telco 3	8	4	2	1		1337		8	4	2	1	8	4	2	1		1237		8	4	2	1
† Trouble Restore 3	8	4	2	1		1338		8	4	2	1	8	4	2	1		1238		8	4	2	1
† No EOL Resistor	8	4	2	1		1339		8	4	2	1	8	4	2	1		1239		8	4	2	1
† Sensor Watch	8	4	2	1		1340		8	4	2	1	8	4	2	1		1240		8	4	2	1
† Trouble on Open	8	4	2	1		1341		8	4	2	1	8	4	2	1		1241		8	4	2	1
† Trouble on Short	8	4	2	1		1342		8	4	2	1	8	4	2	1		1242		8	4	2	1
† Trouble on Night Open	8	4	2	1		1343		8	4	2	1	8	4	2	1		1243		8	4	2	1
† Zone Area 1	8	4	2	1		1344		8	4	2	1	8	4	2	1		1244		8	4	2	1
† Zone Area 2	8	4	2	1		1345		8	4	2	1	8	4	2	1		1245		8	4	2	1
† 2-Wire Smoke Detectors (B)	8	4	2	1	(+)		(+)	8	4	2	1	8	4	2	1		1252		8	4	2	1
<b>RESERVED</b>	8	4	2	1		1353		8	4	2	1	8	4	2	1		1253		8	4	2	1
† Zone ANDing Group 1	8	4	2	1		1354		8	4	2	1	8	4	2	1		1254		8	4	2	1
† Zone ANDing Group 2	8	4	2	1		1355		8	4	2	1	8	4	2	1		1255		8	4	2	1
† Interior #1 Bypass	8	4	2	1		1362		8	4	2	1	8	4	2	1		1262		8	4	2	1
† Interior #2 Bypass	8	4	2	1		1363		8	4	2	1	8	4	2	1		1263		8	4	2	1
† Keypad Sounder on Alarm	8	4	2	1		1364		8	4	2	1	8	4	2	1		1264		8	4	2	1
† Fire (C)	8	4	2	1		1375		8	4	2	1	8	4	2	1		1275		8	4	2	1
† Fire Alarm Verification (C)	8	4	2	1		1376		8	4	2	1	8	4	2	1		1276		8	4	2	1
† Interior (STAY) Bypass	8	4	2	1		1384		8	4	2	1	8	4	2	1		1284		8	4	2	1
† Chime 2	8	4	2	1		1386		8	4	2	1	8	4	2	1		1286		8	4	2	1

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

⊗ Do not program if "K Series" keypads (with "[STAY]" and "[AWAY]" buttons) are used in the system.

⊗ Disable Auto-Reset on non-fire zones for SIA CP-01 installations.

II In UL installations, all Fire Zones must also be programmed for "Pulsed Burg Output" and "fire Output Cadence" (Address 2422, bit zero).

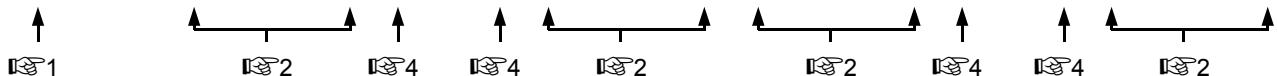
**ZONE OPTIONS / ZONES 1-16**



## ZONE OPTIONS / ZONES 17-32 (ADDRESS 1402-1586)

ZONE OPTIONS	ZONES 29-32 LEFT DATA VALUES (CIRCLE)				ADDRESS 1502-1586			ZONES 25-28 RIGHT DATA VALUES (CIRCLE)				ZONES 21-24 LEFT DATA VALUES (CIRCLE)				ADDRESS 1402-1486			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		1502		8	4	2	1	8	4	2	1		1402		8	4	2
† Priority with Bypass	8	4	2	1		1503		8	4	2	1	8	4	2	1		1403		8	4	2	1
† Auto-Bypass	8	4	2	1		1504		8	4	2	1	8	4	2	1		1404		8	4	2	1
† Selective Bypass	8	4	2	1		1505		8	4	2	1	8	4	2	1		1405		8	4	2	1
† Keyswitch Arming	8	4	2	1		1506		8	4	2	1	8	4	2	1		1406		8	4	2	1
† Auto-Bypass Re-entry	8	4	2	1		1507		8	4	2	1	8	4	2	1		1407		8	4	2	1
† Pre-Alarm Warning	8	4	2	1		1508		8	4	2	1	8	4	2	1		1408		8	4	2	1
† Never Arm	8	4	2	1		1509		8	4	2	1	8	4	2	1		1409		8	4	2	1
† 24-Hour Zone	8	4	2	1		1510		8	4	2	1	8	4	2	1		1410		8	4	2	1
† Burg. Alarm Output	8	4	2	1		1511		8	4	2	1	8	4	2	1		1411		8	4	2	1
† Pulsed Alarm Output	8	4	2	1		1512		8	4	2	1	8	4	2	1		1412		8	4	2	1
† Fire Output (Lug E9)	8	4	2	1		1513		8	4	2	1	8	4	2	1		1413		8	4	2	1
† Reset Relay	8	4	2	1		1514		8	4	2	1	8	4	2	1		1414		8	4	2	1
† Auxiliary Relay	8	4	2	1		1515		8	4	2	1	8	4	2	1		1415		8	4	2	1
† Entry/Exit 1	8	4	2	1		1516		8	4	2	1	8	4	2	1		1416		8	4	2	1
† Entry/Exit 2	8	4	2	1		1517		8	4	2	1	8	4	2	1		1417		8	4	2	1
† Exit/Entry Follower	8	4	2	1		1518		8	4	2	1	8	4	2	1		1418		8	4	2	1
⊗† Auto Reset	8	4	2	1		1519		8	4	2	1	8	4	2	1		1419		8	4	2	1
⊗† Swinger Shutdown	8	4	2	1		1520		8	4	2	1	8	4	2	1		1420		8	4	2	1
† Chime	8	4	2	1		1521		8	4	2	1	8	4	2	1		1421		8	4	2	1
† Abort Delay	8	4	2	1		1522		8	4	2	1	8	4	2	1		1422		8	4	2	1
† Power-up Delay	8	4	2	1		1523		8	4	2	1	8	4	2	1		1423		8	4	2	1
† Day Zone Open	8	4	2	1		1524		8	4	2	1	8	4	2	1		1424		8	4	2	1
† Day Zone Short	8	4	2	1		1525		8	4	2	1	8	4	2	1		1425		8	4	2	1
† Alarm on Day Zone	8	4	2	1		1526		8	4	2	1	8	4	2	1		1426		8	4	2	1
† Alarm Telco 1	8	4	2	1		1527		8	4	2	1	8	4	2	1		1427		8	4	2	1
† Alarm Restore 1	8	4	2	1		1528		8	4	2	1	8	4	2	1		1428		8	4	2	1
† Trouble Telco 1	8	4	2	1		1529		8	4	2	1	8	4	2	1		1429		8	4	2	1
† Trouble Restore 1	8	4	2	1		1530		8	4	2	1	8	4	2	1		1430		8	4	2	1
† Alarm Telco 3	8	4	2	1		1535		8	4	2	1	8	4	2	1		1435		8	4	2	1
† Alarm Restore 3	8	4	2	1		1536		8	4	2	1	8	4	2	1		1436		8	4	2	1
† Trouble Telco 3	8	4	2	1		1537		8	4	2	1	8	4	2	1		1437		8	4	2	1
† Trouble Restore 3	8	4	2	1		1538		8	4	2	1	8	4	2	1		1438		8	4	2	1
† No EOL Resistor	8	4	2	1		1539		8	4	2	1	8	4	2	1		1439		8	4	2	1
† Sensor Watch	8	4	2	1		1540		8	4	2	1	8	4	2	1		1440		8	4	2	1
† Trouble on Open	8	4	2	1		1541		8	4	2	1	8	4	2	1		1441		8	4	2	1
† Trouble on Short	8	4	2	1		1542		8	4	2	1	8	4	2	1		1442		8	4	2	1
† Trouble on Night Open	8	4	2	1		1543		8	4	2	1	8	4	2	1		1443		8	4	2	1
† Zone Area 1	8	4	2	1		1544		8	4	2	1	8	4	2	1		1444		8	4	2	1
† Zone Area 2	8	4	2	1		1545		8	4	2	1	8	4	2	1		1445		8	4	2	1
<b>RESERVED</b>	<b>8</b>	<b>4</b>	<b>2</b>	<b>1</b>		<b>1553</b>		<b>8</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>8</b>	<b>4</b>	<b>2</b>	<b>1</b>		<b>1453</b>		<b>8</b>	<b>4</b>	<b>2</b>	<b>1</b>
† Zone ANDing Group 1	8	4	2	1		1554		8	4	2	1	8	4	2	1		1454		8	4	2	1
† Zone ANDing Group 2	8	4	2	1		1555		8	4	2	1	8	4	2	1		1455		8	4	2	1
† Interior #1 Bypass	8	4	2	1		1562		8	4	2	1	8	4	2	1		1462		8	4	2	1
† Interior #2 Bypass	8	4	2	1		1563		8	4	2	1	8	4	2	1		1463		8	4	2	1
† Keypad Sounder on Alarm	8	4	2	1		1564		8	4	2	1	8	4	2	1		1464		8	4	2	1
† Fire (C)	8	4	2	1		1575		8	4	2	1	8	4	2	1		1475		8	4	2	1
† Fire Alarm Verification (C)	8	4	2	1		1576		8	4	2	1	8	4	2	1		1476		8	4	2	1
† Interior (STAY) Bypass	8	4	2	1		1584		8	4	2	1	8	4	2	1		1484		8	4	2	1
† Chime 2	8	4	2	1		1586		8	4	2	1	8	4	2	1		1486		8	4	2	1

- † When the Easy Program Menu is used, these features are enabled by default.
- ⊗ Do not program if "K Series" keypads (with "STAY" and "AWAY" buttons) are used in the system.
- ⊗ Disable Auto-Reset on non-fire zones for SIA CP-01 installations.
- ⊗ In UL installations, all Fire Zones must also be programmed for "Pulsed Burg Output" and "fire Output Cadence" (Address 2422, bit zero).



See Zone Options on Page 54.

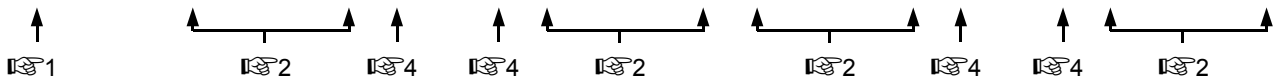


**ZONE OPTIONS / ZONES 17-32**

## ZONE OPTIONS / ZONES 33-48 (ADDRESS 1602-1786)

ZONE OPTIONS	ZONES 45-48 LEFT DATA VALUES (CIRCLE)				ADDRESS 1702-1786		ZONES 41-44 RIGHT DATA VALUES (CIRCLE)				ZONES 37-40 LEFT DATA VALUES (CIRCLE)				ADDRESS 1602-1686		ZONES 33-36 RIGHT DATA VALUES (CIRCLE)					
	ZN48	ZN47	ZN46	ZN45	L	ADDR	R	ZN44	ZN43	ZN42	ZN41	ZN40	ZN39	ZN38	ZN37	L	ADDR	R	ZN36	ZN35	ZN34	ZN33
	† Priority	8	4	2	1		1702		8	4	2	1	8	4	2	1		1602		8	4	2
Priority with Bypass	8	4	2	1		1703		8	4	2	1	8	4	2	1		1603		8	4	2	1
Auto-Bypass	8	4	2	1		1704		8	4	2	1	8	4	2	1		1604		8	4	2	1
† Selective Bypass	8	4	2	1		1705		8	4	2	1	8	4	2	1		1605		8	4	2	1
Keyswitch Arming	8	4	2	1		1706		8	4	2	1	8	4	2	1		1606		8	4	2	1
Auto-Bypass Re-entry	8	4	2	1		1707		8	4	2	1	8	4	2	1		1607		8	4	2	1
Pre-Alarm Warning	8	4	2	1		1708		8	4	2	1	8	4	2	1		1608		8	4	2	1
Never Arm	8	4	2	1		1709		8	4	2	1	8	4	2	1		1609		8	4	2	1
24-Hour Zone	8	4	2	1		1710		8	4	2	1	8	4	2	1		1610		8	4	2	1
† Burg. Alarm Output	8	4	2	1		1711		8	4	2	1	8	4	2	1		1611		8	4	2	1
† Pulsed Alarm Output	8	4	2	1		1712		8	4	2	1	8	4	2	1		1612		8	4	2	1
Fire Output (Lug E9)	8	4	2	1		1713		8	4	2	1	8	4	2	1		1613		8	4	2	1
Reset Relay	8	4	2	1		1714		8	4	2	1	8	4	2	1		1614		8	4	2	1
Auxiliary Relay	8	4	2	1		1715		8	4	2	1	8	4	2	1		1615		8	4	2	1
† Entry/Exit 1	8	4	2	1		1716		8	4	2	1	8	4	2	1		1616		8	4	2	1
† Entry/Exit 2	8	4	2	1		1717		8	4	2	1	8	4	2	1		1617		8	4	2	1
† Exit/Entry Follower	8	4	2	1		1718		8	4	2	1	8	4	2	1		1618		8	4	2	1
⊗ Auto Reset	8	4	2	1		1719		8	4	2	1	8	4	2	1		1619		8	4	2	1
⊗ Swinger Shutdown	8	4	2	1		1720		8	4	2	1	8	4	2	1		1620		8	4	2	1
† Chime	8	4	2	1		1721		8	4	2	1	8	4	2	1		1621		8	4	2	1
Abort Delay	8	4	2	1		1722		8	4	2	1	8	4	2	1		1622		8	4	2	1
Power-up Delay	8	4	2	1		1723		8	4	2	1	8	4	2	1		1623		8	4	2	1
Day Zone Open	8	4	2	1		1724		8	4	2	1	8	4	2	1		1624		8	4	2	1
Day Zone Short	8	4	2	1		1725		8	4	2	1	8	4	2	1		1625		8	4	2	1
Alarm on Day Zone	8	4	2	1		1726		8	4	2	1	8	4	2	1		1626		8	4	2	1
† Alarm Telco 1	8	4	2	1		1727		8	4	2	1	8	4	2	1		1627		8	4	2	1
Alarm Restore 1	8	4	2	1		1728		8	4	2	1	8	4	2	1		1628		8	4	2	1
Trouble Telco 1	8	4	2	1		1729		8	4	2	1	8	4	2	1		1629		8	4	2	1
Trouble Restore 1	8	4	2	1		1730		8	4	2	1	8	4	2	1		1630		8	4	2	1
Alarm Telco 3	8	4	2	1		1735		8	4	2	1	8	4	2	1		1635		8	4	2	1
Alarm Restore 3	8	4	2	1		1736		8	4	2	1	8	4	2	1		1636		8	4	2	1
Trouble Telco 3	8	4	2	1		1737		8	4	2	1	8	4	2	1		1637		8	4	2	1
Trouble Restore 3	8	4	2	1		1738		8	4	2	1	8	4	2	1		1638		8	4	2	1
No EOL Resistor	8	4	2	1		1739		8	4	2	1	8	4	2	1		1639		8	4	2	1
Sensor Watch	8	4	2	1		1740		8	4	2	1	8	4	2	1		1640		8	4	2	1
Trouble on Open	8	4	2	1		1741		8	4	2	1	8	4	2	1		1641		8	4	2	1
Trouble on Short	8	4	2	1		1742		8	4	2	1	8	4	2	1		1642		8	4	2	1
Trouble on Night Open	8	4	2	1		1743		8	4	2	1	8	4	2	1		1643		8	4	2	1
† Zone Area 1	8	4	2	1		1744		8	4	2	1	8	4	2	1		1644		8	4	2	1
† Zone Area 2	8	4	2	1		1745		8	4	2	1	8	4	2	1		1645		8	4	2	1
<b>RESERVED</b>	<b>8</b>	<b>4</b>	<b>2</b>	<b>1</b>		<b>1753</b>		<b>8</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>8</b>	<b>4</b>	<b>2</b>	<b>1</b>		<b>1653</b>		<b>8</b>	<b>4</b>	<b>2</b>	<b>1</b>
Zone ANDing Group 1	8	4	2	1		1754		8	4	2	1	8	4	2	1		1654		8	4	2	1
Zone ANDing Group 2	8	4	2	1		1755		8	4	2	1	8	4	2	1		1655		8	4	2	1
† Interior #1 Bypass	8	4	2	1		1762		8	4	2	1	8	4	2	1		1662		8	4	2	1
† Interior #2 Bypass	8	4	2	1		1763		8	4	2	1	8	4	2	1		1663		8	4	2	1
Keypad Sounder on Alarm	8	4	2	1		1764		8	4	2	1	8	4	2	1		1664		8	4	2	1
† Fire (C)	8	4	2	1		1775		8	4	2	1	8	4	2	1		1675		8	4	2	1
† Fire Alarm Verification (C)	8	4	2	1		1776		8	4	2	1	8	4	2	1		1676		8	4	2	1
† Interior (STAY) Bypass	8	4	2	1		1784		8	4	2	1	8	4	2	1		1684		8	4	2	1
Chime 2	8	4	2	1		1786		8	4	2	1	8	4	2	1		1686		8	4	2	1

- † When the Easy Program Menu is used, these features are enabled by default.
- ⊗ Do not program if "K Series" keypads (with "[STAY]" and "[AWAY]" buttons) are used in the system.
- ⊗ Disable Auto-Reset on non-fire zones for SIA CP-01 installations.
- II In UL installations, all Fire Zones must also be programmed for "Pulsed Burg Output" and "fire Output Cadence" (Address 2422, bit zero).



See Zone Options on Page 54.

ZONE OPTIONS / ZONES 33-48

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# ZONE OPTIONS / ZONES 1-48 (ADDRESS 1200-1786)

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

ZONE OPTIONS
50ms Loop Response
10ms Loop Response
Priority
Priority with Bypass
Auto-Bypass

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

NOTE: No circle = feature disabled.

ZN04	ZN03	ZN02	ZN01
8	4	2	1

Draw Circle

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

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

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

L	ADDR	R
blank (*)	1200	1

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

NOTE: See Direct Address Programming Example on page 22.

- NOTES:**
- (A) 50ms & 20 ms Loop Response only available for zones 1-8.
  - (B) 2-wire Smoke Detectors only available for zones 1-8.
  - (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, Zone Area 1 and Zone Area 2 are enabled for the total number of zones entered in "AREA 1 # ZONES = 08" and "AREA 2 # ZONES = 00".
- ✓ Alarm Telco 1 is enabled for the zones if [YES] is entered for "REPORT ALL ZONES TO CENTRAL ZONES? Y/N".
- ✓ Entry/Exit 1 and Chime are enabled for zone numbers entered in "EXIT / ENTRY ZONES".
- ✓ Exit/Entry Follower and Interior Bypass are enabled for zone numbers entered in "INTERIOR ZONES".
- ✓ Fire, Pulse Alarm Output and Fire Verification is enabled for the zone numbers entered in "FIRE ZONES".
- ✓ 2-Wire Smoke Detector is enabled for zone numbers entered in "2 WIRE FIRE ZONES".

**Note:** See "Number of Zones & Keypads per Area" in Easy Menu Driven program Mode.

**ZONE OPTIONS / ZONES 1-96**

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## SYSTEM OPTIONS (ADDRESS 2415-2419)

SYSTEM OPTIONS

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE )	ADDRESS 2415	RIGHT DATA VALUES (CIRCLE )	SYSTEM OPTIONS				
RESERVED	1	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">LEFT DIGIT (SUM OF DATA VALUES)</th> <th style="width: 50%;">RIGHT DIGIT (SUM OF DATA VALUES)</th> </tr> <tr> <td style="height: 30px;"></td> <td style="height: 30px;"></td> </tr> </table> <p>[Default = blank (*) blank (*)]</p>	LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)			1	Disable Fire Reset (Area 1)
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)							
RESERVED	2		2	Disable Fire Reset (Area 2)				
RESERVED	4	4	RESERVED					
RESERVED	8	8	RESERVED					

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE )	ADDRESS 2416	RIGHT DATA VALUES (CIRCLE )	SYSTEM OPTIONS				
RESERVED	1	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">LEFT DIGIT (SUM OF DATA VALUES)</th> <th style="width: 50%;">RIGHT DIGIT (SUM OF DATA VALUES)</th> </tr> <tr> <td style="height: 30px;"></td> <td style="height: 30px;"></td> </tr> </table> <p>[Default = blank (*) blank (*)]</p>	LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)			1	Enable Day Zone Watch (Area 1)
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)							
RESERVED	2		2	Enable Day Zone Watch (Area 2)				
RESERVED	4	4	RESERVED					
RESERVED	8	8	RESERVED					

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE )	ADDRESS 2417	RIGHT DATA VALUES (CIRCLE )	SYSTEM OPTIONS				
RESERVED	1	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">LEFT DIGIT (SUM OF DATA VALUES)</th> <th style="width: 50%;">RIGHT DIGIT (SUM OF DATA VALUES)</th> </tr> <tr> <td style="height: 30px;"></td> <td style="height: 30px;"></td> </tr> </table> <p>[Default = blank (*) blank (*)]</p>	LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)			1	Opening Report only after Alarm Report
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)							
Lug E4 Armed Away Only	2		2	Closing Report only on Cond. Closing (Auto-Byp.) Include Sel./Grp. Bypass in Cond. Closing Status				
Disable Auto-Unbypass on Disarming	4	4	Status Report (Auto-Byp. Zones on					
Bypass Faulted Zones	8	8						

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE )	ADDRESS 2418	RIGHT DATA VALUES (CIRCLE )	SYSTEM OPTIONS				
Access Control (Panel) on Aux. Output	1	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">LEFT DIGIT (SUM OF DATA VALUES)</th> <th style="width: 50%;">RIGHT DIGIT (SUM OF DATA VALUES)</th> </tr> <tr> <td style="height: 30px;"></td> <td style="height: 30px;"></td> </tr> </table> <p>[Default = blank (*) blank (*)]</p>	LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)			1	Auto Bell Test on Arming
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)							
Enable Burg. Output Warning on Entry	2		2	Auto Reset after Burg. Output Timeout				
Enable Manager's Mode	4	4	Suppress "Bypass" Reminder when Armed					
Start Exit Delay after Ringback	8	8	RESERVED					

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE )	ADDRESS 2419	RIGHT DATA VALUES (CIRCLE )	SYSTEM OPTIONS				
Disable Function-Mode Download	1	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">LEFT DIGIT (SUM OF DATA VALUES)</th> <th style="width: 50%;">RIGHT DIGIT (SUM OF DATA VALUES)</th> </tr> <tr> <td style="height: 30px;"></td> <td style="height: 30px;"></td> </tr> </table> <p>[Default = blank (*) blank (*)]</p>	LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)			1	Interior 1 Normally Bypassed*
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)							
Disable Callback Download	2		2	Enable Exit-Delay Restart				
Disable Answering-Machine Download	4	4	Reset Day Zone with Arm/Disarm Only					
Disable Auto-Reset on Day Zone	8	8	Enable Local Alarm on First Zone "AND" Trip					

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.

\*Do not enable on systems with "K Series" keypads.



# SYSTEM OPTIONS (ADDRESS 2420-2422, 3874 & 3879-3881)

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE )	ADDRESS 2420		RIGHT DATA VALUES (CIRCLE )	SYSTEM OPTIONS
Disable Keypad Instant Button	1	LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)	1	Disable System Trouble Audible at Keypad *
Enable Line-Fault Test	2			2	Chime on E4 Lug
Disable AC Fail Detection	4			4	Disable Code required for Func. Mode Lvl. 1
Telco Fail only when Armed	8			8	Disable Code required for Easy Bypass
[Default = blank (•) blank (•)] *Not for UL Installations					

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE )	ADDRESS 2421		RIGHT DATA VALUES (CIRCLE )	SYSTEM OPTIONS
Don't Clear Aux. Relay with Disarm	1	LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)	1	Automatic Interior Bypass
2nd Call Answering Machine Override	2			2	Veri-phone Zones trip Aux. Relay
Disable Auto Status	4			4	Veri-phone Zones Priority over Alarms
Veri-phone Zones trip Fire Output	8			8	Aux. Output Chirp on Keyfob Arm/Disarm
[Default = blank (•) blank (•)]					

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE )	ADDRESS 2422		RIGHT DATA VALUES (CIRCLE )	SYSTEM OPTIONS
Disable Area Entry Relays	1	LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)	1	Fire Output Cadence <sup>§</sup>
Disable Entry Urgency Tone at Keypad	2			2	Wireless Smoke Low Battery Resound
Enable Bell Output on Keyfob Arming	4			4	Supervised Alarm Output
Enable Burg. Output on Telco Fail only when Armed	8			8	Enable Smoke Detector Dirty Trouble
[Default = blank (•) blank (•)]					

<sup>§</sup>In Zone Options, Fire Zones, and only Fire Zones, must be programmed for pulse alarm output.

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE )	ADDRESS 3874		RIGHT DATA VALUES (CIRCLE )	SYSTEM OPTIONS
Enable Set Time/Date	1	LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)	1	Enable GEM-PRINT
RESERVED	2			2	Cancel Report to Telco 3
Enable Time/Date Display	4			4	Report Wireless Trouble to Telco 1
RESERVED	8			8	Report Wireless Trouble to Telco 3
[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:** Dark shaded data value box shows option not available.

**SYSTEM OPTIONS**

## ALARM/TROUBLE REPORTING CODES (ADDRESS 3879-3881)

ALARM/TROUBLE REPORTING CODES	ADDRESS 3879-3881		
	LEFT	ADDR	RIGHT
Wireless Low Battery	blank (*)	3879	
Wireless Supervisory	blank (*)	3880	
Wireless Tamper	blank (*)	3881	

[Default = blank (\*) blank (\*) from address 3879-3881]

### ALARM/TROUBLE 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 (\*).
4. Press or to save.

## SYSTEM OPTIONS (ADDRESS 3882-3901, 3903-3905 & 4084)

Telephone Number Dialing Prefix (Digits 1-20)	ADDRESS 3882-3901 (RIGHT DIGITS 1-20)																			
	3882	3883	3884	3885	3886	3887	3888	3889	3890	3891	3892	3893	3894	3895	3896	3897	3898	3899	3900	3901
	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R

Pager Format: Re-sends of First Report	ADDRESS 3903	
	LEFT	RIGHT

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

Pager Format: Maximum Pages per Session	ADDRESS 3904	
	LEFT	RIGHT

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

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE )
Digital Dialer Rpt Enter/ Exit Test Mode	1
Enable CP-01 Limits	2
Disable Call Waiting on First Attempt	4
RESERVED	8

ADDRESS 3905	
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)

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

RIGHT DATA VALUES (CIRCLE )	SYSTEM OPTIONS
1	RESERVED
2	Exit Time Restart
4	Sound Alarm on Exit Error
8	Rpt Exit Err/Recent Close

1. Select the desired option by circling the data values for each digit (left and right).
2. Add the data values (ex: F=15=(1+2+4+8) from the selected options. See page 23).
3. Enter in address location (left and right digits).

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

4. Press or to save.

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE )
RESERVED	1
RESERVED	2
RESERVED	4
Disable Auto Dial Tone Detection	8

ADDRESS 4084	
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)
	blank (*)

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

**Note:** Right digit is RESERVED (not used). Enter data in left digit only.

## KEYPAD OPTIONS (ADDRESS 2425-2446)

<b>Keypad 1 Type &amp; Area Assignment</b>	ADDRESS 2425	
	LEFT	RIGHT

[Default = blank (\*)]

<b>Keypad 2 Type &amp; Area Assignment</b>	ADDRESS 2426	
	LEFT	RIGHT

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

<b>Keypad 3 Type &amp; Area Assignment</b>	ADDRESS 2427	
	LEFT	RIGHT

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

<b>Keypad 4 Type &amp; Area Assignment</b>	ADDRESS 2428	
	LEFT	RIGHT

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

<b>Keypad 5 Type &amp; Area Assignment</b>	ADDRESS 2429	
	LEFT	RIGHT

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

<b>Keypad 6 Type &amp; Area Assignment</b>	ADDRESS 2430	
	LEFT	RIGHT

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


<b>Keypad 7 Type &amp; Area Assignment</b>	ADDRESS 2431	
	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	
LEFT	OPTION
blank (*)	Burg Keypad
2	Wizard Keypad

KEYPAD AREA ASSIGNMENT	
RIGHT	OPTION
blank (*)	Not Used
1	Area 1
2	Area 2


KEYPAD NO.	KEYPAD OPTIONS				ADDRESS 2440-2446			KEYPAD OPTIONS			
	LEFT DATA VALUES (CIRCLE  )				LEFT	ADDR	RIGHT	RIGHT DATA VALUES (CIRCLE  )			
	RSRVD.	PANEL ACCESS	EASY ARMING	AMBUSH				Rem. Acc. Only *	KEYPAD PANIC	KEYPAD AUXILIARY	KEYPAD FIRE
1	8	4	2	1		2440		8	④	②	①
2	8	4	2	1		2441		8	4	2	1
3	8	4	2	1		2442		8	4	2	1
4	8	4	2	1		2443		8	4	2	1
5	8	4	2	1		2444		8	4	2	1
6	8	4	2	1		2445		8	4	2	1
7	8	4	2	1		2446		8	4	2	1

[Default = blank (\*) blank (7) for address 2440]

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

\* **Note:** For Remote Access Control only (no Arm/Disarm capability).

 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 2600-2605)

EZM Group 1	
ZONES 9-12	
ADDRESS 2600	
LEFT	RIGHT
blank (*)	

EZM Group 2	
ZONES 13-16	
ADDRESS 2601	
LEFT	RIGHT
blank (*)	

EZM Group 3	
ZONES 17-20	
ADDRESS 2602	
LEFT	RIGHT
blank (*)	

EZM Group 4	
ZONES 21-24	
ADDRESS 2603	
LEFT	RIGHT
blank (*)	

EZM Group 5	
ZONES 25-28	
ADDRESS 2604	
LEFT	RIGHT
blank (*)	

EZM Group 6	
ZONES 29-32	
ADDRESS 2605	
LEFT	RIGHT
blank (*)	

Default depends on Easy Menu Question

“## OF ZNS IN AREA1


and “## OF ZNS IN AREA2

For example, If 32 zones are used, then all 6 groups will be automatically enabled. If only 8 zones are used, then groups 1-6 will be automatically disabled.

**NOTE:** Zones 1-8 are included in the control panel and Zones 9-32 (Groups 1-6) are EZM Zones (either Wireless or Hardwired). Zones 33-48 are wireless only.

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

**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.

EZM PGM TERMINAL CONTROL											
GROUP NO.	AREAS 5-8 LEFT DATA VALUES				ADDRESS 2622-2632			AREAS 1-4 RIGHT DATA VALUES			
	A8	A7	A6	A5	L	ADDR	R	A4	A3	A2	A1
	1	8	4	2	1		2622		8	4	2
2	8	4	2	1		2623		8	4	2	1
3	8	4	2	1		2624		8	4	2	1
4	8	4	2	1		2625		8	4	2	1
5	8	4	2	1		2626		8	4	2	1
6	8	4	2	1		2627		8	4	2	1


[Default = blank (\*) blank (\*) from address 2622-2632]

**EZM PGM ARMED TERMINAL CONTROL:** For each zone group select the area(s) which, when armed, will activate the PGM Lug on the corresponding EZM modules. Each zone group corresponds to 4 zones. If 8-Zone EZMs are used each one is treated as TWO zone groups. **NOTE:** Lug goes ACTIVE (low) when ANY selected area is armed. When activated, the PGM Lug goes negative (to Ground).

 1. Select the desired group number.

 2. Enable desired options for each area by drawing a circle  around its corresponding binary data value.

**NOTE:** No circle = feature disabled.

 3. Enter data in corresponding left and right digit address locations above.



## AREA ARMING OPTIONS (ADDRESS 2650-2651)

PRIORITY AREA ARMING											
ARMING AREA	AREAS 5-8 LEFT DATA VALUES (CIRCLE ✎)				ADDRESS 2650-2657			AREAS 1-4 RIGHT DATA VALUES (CIRCLE ✎)			
	A8	A7	A6	A5	L	ADDR	R	A4	A3	A2	A1
	AREA 1	8	4	2	1		2650		8	4	2
AREA 2	8	4	2	1		2651		8	4	2	1

[Default = blank (•) blank (•) from address 2650-2657]

**PRIORITY AREA ARMING:**

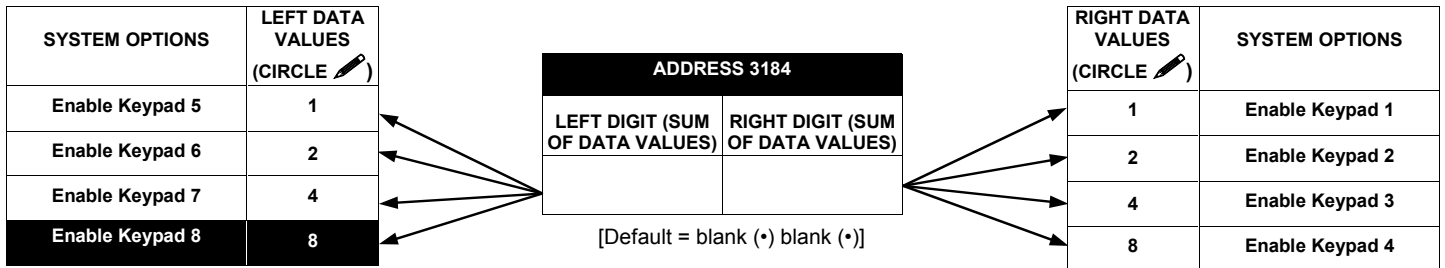
1. Select the desired arming area.
2. Enable desired options for each priority area by drawing a circle ✎ around its corresponding binary data value.

**NOTE:** No circle = feature disabled.

3. Enter data in corresponding left and right digit address locations above.

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





## REMOTE ACCESS LOGGING (ADDRESS 3184)



**REMOTE ACCESS LOGGING:** Enable logging of every keypad access event.


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).

## AREA OUTPUT CONTROL OPTIONS (ADDRESS 2700-2733)

OUTPUT SILENCED (TURNED OFF)	DISARMING AREA 1 TURNS OFF AREA OUTPUT											DISARMING AREA 2 TURNS OFF AREA OUTPUT										
	AREAS 5-8 LEFT DATA VALUES (CIRCLE  )				ADDRESS 2700-2732			AREAS 1-4 RIGHT DATA VALUES (CIRCLE  )				AREAS 5-8 LEFT DATA VALUES (CIRCLE  )				ADDRESS 2701-2733			AREAS 1-4 RIGHT DATA VALUES (CIRCLE  )			
	A8	A7	A6	A5	L	ADDR	R	A4	A3	A2	A1	A8	A7	A6	A5	L	ADDR	R	A4	A3	A2	A1
Burglary Output	8	4	2	1		2700		8	4	2	①	8	4	2	1		2701		8	4	2	1
Pulsed Burg. Output	8	4	2	1		2708		8	4	2	①	8	4	2	1		2709		8	4	2	1
Fire Output	8	4	2	1		2716		8	4	2	1	8	4	2	1		2717		8	4	2	1
Reset Relay	8	4	2	1		2724		8	4	2	1	8	4	2	1		2725		8	4	2	1
Auxiliary Relay	8	4	2	1		2732		8	4	2	1	8	4	2	1		2733		8	4	2	1

[Default = 2700 (\*1) 2708 (\*1) ]

**AREA OUTPUT TURNS OFF UPON DISARM:** Select options for any of the 5 Outputs per area when disarming a particular area.

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

AREA OUTPUT CONTROL



# RF RECEIVERS & SUPERVISORY TIMER OPTIONS (ADDRESS 3776 & 3760-3775)

Number of RF Receivers	ADDRESS 3776	
	LEFT	RIGHT
	blank (*)	blank (*)

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

DATA ENTRIES		RF Receiver(s)
RIGHT	blank (*)	
blank (*)	blank (*)	None
1	blank (*)	1
2	blank (*)	2
3	blank (*)	3
4	blank (*)	4

**RF RECEIVERS:** Up to 4 RF Receivers may be programmed.  
**NOTE:** This adds wireless capability to the system, increasing up to 96 the number of zones.

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

RF SUPERVISORY TIMER	RF TRANSMITTER	ADDRESS 3760-3767		
		LEFT	ADDR	RIGHT
Type 0	Window/Door, 2 Pt.		3760	
Type 1	Window/Door, 2 Pt.		3761	
Type 2	Window/Door, 2 Pt.		3762	
Type 3	Window/Door, 2 Pt.		3763	
Type 4	Window/Door, 4 Pt.		3764	
Type 5	PIR		3765	
Type 6	PIR		3766	
Type 7	Smoke Detector		3767	

[Default = blank (\*) 8 from address 3760-3767 (80 minutes)]

RF SUPERVISORY TIMER	RF TRANSMITTER	ADDRESS 3768-3775		
		LEFT	ADDR	RIGHT
Type 8	Smoke Detector		3768	
Type 9	Keyfob		3769	
Type A	Dual Tech.		3770	
Type B	Keyfob		3771	
Type C	Window/Door, 4 Pt.		3772	
Type D	PIR		3773	
Type E	Smoke Detector		3774	
Type F	Napco Glass Break		3775	

[Default = blank (\*) 8 from address 3768-3775 (80 minutes)]

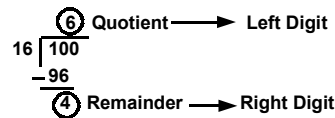
**RF RECEIVERS & SUPERVISORY TIMER OPTIONS**

RF SUPERVISORY TIMERS		
DATA ENTRIES		DELAY
LEFT	RIGHT	
blank (*)	blank (*)	0 min.
blank (*)	1	10 min.
blank (*)	2	20 min.
blank (*)	3	30 min.
blank (*)	4	40 min.
blank (*)	5	50 min.
blank (*)	6	60 min.
blank (*)	7	70 min.
blank (*)	8	80 min.
blank (*)	9	90 min.
blank (*)	0	100 min.
blank (*)	B	110 min.
blank (*)	C	120 min.
blank (*)	D	130 min.
blank (*)	E	140 min.
blank (*)	F	150 min.
1	blank (*)	160 min.
1	1	170 min.
1	2	180 min.
1	3	190 min.
1	4	200 min.
1	5	210 min.
1	6	220 min.
1	7	230 min.
1	8	240 min.
1	9	250 min.
1	0	260 min.
1	B	270 min.
1	C	280 min.
1	D	290 min.
1	E	300 min.
1	F	310 min.
2	blank (*)	320 min.
2	1	330 min.
2	2	340 min.
2	3	350 min.
2	4	360 min.
2	5	370 min.

RF SUPERVISORY TIMERS		
DATA ENTRIES		DELAY
LEFT	RIGHT	
2	6	380 min.
2	7	390 min.
2	8	400 min.
2	9	410 min.
2	0	420 min.
2	B	430 min.
2	C	440 min.
2	D	450 min.
2	E	460 min.
2	F	470 min.
3	blank (*)	480 min.
3	1	490 min.
3	2	500 min.
3	3	510 min.
3	4	520 min.
3	5	530 min.
3	6	540 min.
3	7	550 min.
3	8	560 min.
3	9	570 min.
3	0	580 min.
3	B	590 min.
3	C	600 min.
3	D	610 min.
3	E	620 min.
3	F	630 min.
4	blank (*)	640 min.
4	1	650 min.
4	2	660 min.
4	3	670 min.
4	4	680 min.
4	5	690 min.
4	6	700 min.
↓	↓	↓
F	F	2550 min. = 42 Hr., 30 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 "E-04-NN" will be displayed at the keypad.

1. Select timer delay from the table shown. Timers are programmed in increments of 10 minutes each. Valid entries are (\*)8-FF (80 minutes-2550 min) (2550 minutes = 42 hr,30 min).  
**WARNING:** Timers have uncertainty of +/-30 minutes.
2. Enter in corresponding address locations above (left and right digits).
3. For a desired *timer not* listed do the following:



- A. Choose a desired timer (intervals of 10), ex: 1440 min. (24 Hours)
- B. Divide it by 10, ex: 1440/10 = 144
- C. Divide it by 16

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



## EXTERNAL RELAY CONTROL / RELAYS 1-24 (ADDRESS 3778-3801 & 2800-2895)

ADDRESS 3778 & 2800-2803 (RELAY/entry 1)									
3778		2800		2801		2802		2803	
L	R	L	R	L	R	L	R	L	R

ADDRESS 3779 & 2804-2807 (RELAY/entry 2)									
3779		2804		2805		2806		2807	
L	R	L	R	L	R	L	R	L	R

ADDRESS 3780 & 2808-2811 (RELAY/entry 3)									
3780		2808		2809		2810		2811	
L	R	L	R	L	R	L	R	L	R

ADDRESS 3781 & 2812-2815 (RELAY/entry 4)									
3781		2812		2813		2814		2815	
L	R	L	R	L	R	L	R	L	R

ADDRESS 3782 & 2816-2819 (RELAY/entry 5)									
3782		2816		2817		2818		2819	
L	R	L	R	L	R	L	R	L	R

ADDRESS 3783 & 2820-2823 (RELAY/entry 6)									
3783		2820		2821		2822		2823	
L	R	L	R	L	R	L	R	L	R

ADDRESS 3784 & 2824-2827 (RELAY/entry 7)									
3784		2824		2825		2826		2827	
L	R	L	R	L	R	L	R	L	R

ADDRESS 3785 & 2828-2831 (RELAY/entry 8)									
3785		2828		2829		2830		2831	
L	R	L	R	L	R	L	R	L	R

ADDRESS 3786 & 2832-2835 (RELAY/entry 9)									
3786		2832		2833		2834		2835	
L	R	L	R	L	R	L	R	L	R

ADDRESS 3787 & 2836-2839 (RELAY/entry 10)									
3787		2836		2837		2838		2839	
L	R	L	R	L	R	L	R	L	R

ADDRESS 3788 & 2840-2843 (RELAY entry 11)									
3788		2840		2841		2842		2843	
L	R	L	R	L	R	L	R	L	R

ADDRESS 3789 & 2844-2847 (RELAY/entry 12)									
3789		2844		2845		2846		2847	
L	R	L	R	L	R	L	R	L	R

ADDRESS 3790 & 2848-2851 (RELAY/entry 13)									
3790		2848		2849		2850		2851	
L	R	L	R	L	R	L	R	L	R

ADDRESS 3791 & 2852-2855 (RELAY/entry 14)									
3791		2852		2853		2854		2855	
L	R	L	R	L	R	L	R	L	R

ADDRESS 3792 & 2856-2859 (RELAY/entry 15)									
3792		2856		2857		2858		2859	
L	R	L	R	L	R	L	R	L	R

ADDRESS 3793 & 2860-2863 (RELAY/entry 16)									
3793		2860		2861		2862		2863	
L	R	L	R	L	R	L	R	L	R

ADDRESS 3794 & 2864-2867 (RELAY/entry 17)									
3794		2864		2865		2866		2867	
L	R	L	R	L	R	L	R	L	R

ADDRESS 3795 & 2868-2871 (RELAY/entry 18)									
3795		2868		2869		2870		2871	
L	R	L	R	L	R	L	R	L	R

ADDRESS 3796 & 2872-2875 (RELAY/entry 19)									
3796		2872		2873		2874		2875	
L	R	L	R	L	R	L	R	L	R

ADDRESS 3797 & 2876-2879 (RELAY/entry 20)									
3797		2876		2877		2878		2879	
L	R	L	R	L	R	L	R	L	R

ADDRESS 3798 & 2880-2883 (RELAY/entry 21)									
3798		2880		2881		2882		2883	
L	R	L	R	L	R	L	R	L	R


ADDRESS 3799 & 2884-2887 (RELAY/entry 22)									
3799		2884		2885		2886		2887	
L	R	L	R	L	R	L	R	L	R

ADDRESS 3800 & 2888-2891 (RELAY/entry 23)									
3800		2888		2889		2890		2891	
L	R	L	R	L	R	L	R	L	R

ADDRESS 3801 & 2892-2895 (RELAY/entry 24)									
3801		2892		2893		2894		2895	
L	R	L	R	L	R	L	R	L	R

EXTERNAL RELAY CONTROL

Continued on



page 59


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# EXTERNAL RELAY CONTROL

[Default = blank (•) blank (•) from address ADDRESS 3778-3801 & 2800-2895]

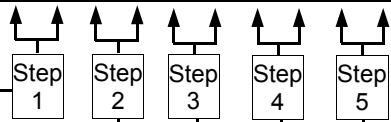
To program, follow the 5 steps below:

**STEP 1: RELAY # OPTIONS:** Each relay/entry can be assigned to any of the 96 available external relays from Relay Module RM3008. Multiple entries can drive the same External Relay.


 Select the relay number from **Table 1** (shown on next page); enter in corresponding left and right digit address locations.

**Note:** Entries 01-24 correspond to relays 1 through 24. If entries are zero, zero (00), then relay number is identical to the relay/entry address table number, in the selected address table(s) above.


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




**STEP 2: AREA OPTIONS:** Each relay/entry can be assigned to Area 1 or 2 or all areas.

 Select the area from **Table 2** (shown on next page); enter in corresponding left and right digit address locations.


**STEP 3: TIMEOUTS:** Each relay event can be assigned a timeout depending on Alarm Type option.


 If Alarm Type (see next page) is selected for timeout in minutes or seconds, select the timeout from **Table 3** (shown on next page) in minutes or seconds and enter in corresponding address location (left digit and right digits). To choose seconds or minutes, see step 5A below. 254 is maximum entry.

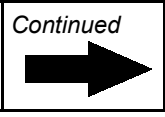
**STEP 4: EVENT ID CODES:** Each relay event can be assigned any of the available event IDs from the table.

 Select 2-digit Event ID from **Table 4** (see page 61); enter in corresponding address locations (left and right digit).

**STEP 5: RELAY EVENT CONDITION OPTIONS:** Each relay event can be assigned an alarm type; and an activation condition; also, select a timeout type for each.

 5A. Select Alarm Type and Timeout Type from **Table 5A** (see page 62); enter in corresponding address location (left digit).  
**NOTE:** Select Timeout from Step 3.

 5B. Select Activation from from **Table 5B** (see page 62); enter in corresponding address location (right digit).



RELAY EVENT OPTIONS				
RELAY # See Table 1 below	AREA See Table 2 below	TIMEOUT See Table 3 below	EVENT ID See Table 4 on page 61	COND. See Tables 5A & 5B on page 62

TABLE 1 RELAY MAPPING		
DATA ENTRIES		RELAY #
LEFT	RIGHT	
blank (*)	blank (*)	None *
blank (*)	1	1
blank (*)	2	2
blank (*)	3	3
blank (*)	4	4
blank (*)	5	5
blank (*)	6	6
blank (*)	7	7
blank (*)	8	8
blank (*)	9	9
blank (*)	0	10
blank (*)	B	11
blank (*)	C	12
blank (*)	D	13
blank (*)	E	14
blank (*)	F	15
1	blank (*)	16
1	1	17
1	2	18
1	3	19
1	4	20
1	5	21
1	6	22
1	7	23
1	8	24

\* Note: [blank (\*) blank (\*)] option affects the relay with the same entry number. All other options affect the relay number specified. Ex: Suppose Relay/Entry 1 is mapped to External Relay 1 and Relay/Entry 2 is mapped to External Relay 24. The data entries are as follows: Address 3778 = [blank (\*) blank (\*)] and Address 3779 = [1C].

Areas  
1-2

TABLE 2 (AREAS 1-2) AREAS CONTROLLING RELAY SHUTOFF ON DISARM		
RIGHT DATA ENTRY	AREA 1	AREA 2
blank (*)	NONE	
1	Y	
2		Y
3	Y	Y

Note: "Y" indicates option is enabled.

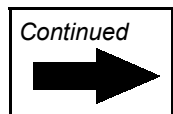
TABLE 3 TIMEOUTS (Alarm Type is selected for Timeout Type in min. or sec.)		
DATA ENTRIES		TIMEOUT
LEFT	RIGHT	
blank (*)	blank (*)	0 min./sec.
blank (*)	1	1 min./sec.
blank (*)	2	2 min./sec.
blank (*)	3	3 min./sec.
blank (*)	4	4 min./sec.
blank (*)	5	5 min./sec.
blank (*)	6	6 min./sec.
blank (*)	7	7 min./sec.
blank (*)	8	8 min./sec.
blank (*)	9	9 min./sec.
blank (*)	0	10 min./sec.
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.
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:  
A. Choose a desired delay/timeout, ex: 20 min.  
B. Divide it by 16

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

For a desired relay not listed:  
A. Choose a desired relay, ex: 60  
B. Divide it by 16

$$\begin{array}{r}
 \textcircled{3} \text{ Quotient} \longrightarrow \text{Left Digit} \\
 16 \overline{) 60} \\
 \underline{-48} \\
 \textcircled{6} \text{ Remainder} \longrightarrow \text{Right Digit}
 \end{array}$$



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


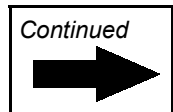
 Select 2-digit Event ID from **Table 4** (below); enter in corresponding address locations (left and right digit).

TABLE 4 EVENT ID CODES		
DATA ENTRIES		OPTION
LEFT	RIGHT	
blank (+)	blank (+)	Area 1 Arm/Disarm
blank (+)	1	Area 2 Arm/Disarm
blank (+)	8	Zone 1
blank (+)	9	Zone 2
blank (+)	0	Zone 3
blank (+)	B	Zone 4
blank (+)	C	Zone 5
blank (+)	D	Zone 6
blank (+)	E	Zone 7
blank (+)	F	Zone 8
1	blank (+)	Zone 9
1	1	Zone 10
1	2	Zone 11
1	3	Zone 12
1	4	Zone 13
1	5	Zone 14
1	6	Zone 15
1	7	Zone 16
1	8	Zone 17
1	9	Zone 18
1	0	Zone 19
1	B	Zone 20
1	C	Zone 21
1	D	Zone 22
1	E	Zone 23
1	F	Zone 24
2	blank (+)	Zone 25
2	1	Zone 26
2	2	Zone 27
2	3	Zone 28
2	4	Zone 29
2	5	Zone 30
2	6	Zone 31
2	7	Zone 32
2	8	Zone 33
2	9	Zone 34
2	0	Zone 35
2	B	Zone 36
2	C	Zone 37
2	D	Zone 38
2	E	Zone 39
2	F	Zone 40
3	blank (+)	Zone 41
3	1	Zone 42
3	2	Zone 43
3	3	Zone 44
3	4	Zone 45
3	5	Zone 46
3	6	Zone 47
3	7	Zone 48

6	8	Area 1 Keypad Ambush
6	9	Area 1 Keypad Panic
6	0	Area 1 Keypad Fire
6	B	Area 1 Keypad Medical
6	C	Keypad Tamper
6	D	Area 1 Fail to Open
6	E	Area 1 Fail to Close
7	blank (+)	Area 2 Keypad Ambush
7	1	Area 2 Keypad Panic
7	2	Area 2 Keypad Fire
7	3	Area 2 Keypad Medical
7	5	Area 2 Fail to Open
7	6	Area 2 Fail to Close
0	8	Test Timer
0	0	Bus Fail
0	B	Guarded RAM Fail
0	C	Low Battery
0	D	AC Fail
0	E	EZM Tamper
0	F	Sensor Watch
B	blank (+)	Telco Fault
B	8	Digital Dialer Test
B	9	RESERVED
B	B	Service Message
B	C	Program Change
B	D	RF Receiver Trouble
B	E	Transmitter Tamper
B	F	Transmitter Trouble
D	blank (+)	Keypad Fail
D	1	EZM Fail
D	2	Quickloader Device Control
D	3	System Shutdown
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 Group 1
F	1	Relay Group 2
F	8	Area 1 Entry Delay
F	9	Area 2 Entry Delay

**NOTE:** Keypad Tamper must be enabled in UL installations using jumper option on keypad.

EXTERNAL RELAY CONTROL



**STEP 5: RELAY EVENT CONDITION OPTIONS:** Each relay event can be assigned an alarm type; and an activation condition; also, select a timeout type for each.

- 5A. Select Alarm Type and Timeout Type from **Table 5A** (below); enter in corresponding address location (left digit). **NOTE:** Select Timeout from Step 2.
- 5B. Select Activation from from **Table 5B** (below); enter in corresponding address location (right digit).

TABLE 5A		
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

TABLE 5B	
RELAY EVENT	
ACTIVATION CONDITIONS	
RIGHT DATA ENTRIES	OPTIONS
1	Alarm
2	Restore
3	Trouble
4	Trouble Restore
5	Follows Open Zone
6	Follows Shorted Zone

### NUMBER OF RELAY BOARD MODULES (ADDRESS 3777)

Number of Relay Board Modules	ADDRESS 3777	
	LEFT	RIGHT
	blank (*)	

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

DATA ENTRIES RIGHT	Relay Board Module(s)
blank (*)	None
1	1
2	2
3	3

**RELAY BOARD MODULES:** Up to 3 External Relay Board Modules (RM3008) may be programmed.

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

**SYSTEM RESET OPTIONS (ADDRESS 4091-4093)**

4091 ••  
GEM-RP1CAe2 Keypad

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



This erases the dealer program. Use this feature to start a customized default program.

4091••

Access address 4091, then press the  button. Data entry is not allowed.

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

4093 ••  
GEM-RP1CAe2 Keypad

**Cold Start (Erases Entire Program)**



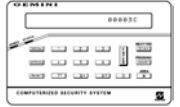
This erases the entire program (codes, schedules, foreign language configuration, etc), leaving the panel as it came right out of the box.

4093••

Access address 4093, then press the  button. Data entry is not allowed.



**NOTE:** Some features (schedules, language configuration) can only be re-programmed 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 or GEM-K1CA be used as Keypad #1. (A new GEM-RP1CAe2/GEM-K1CA is automatically configured as Keypad #1). See Keypad Configuration Mode and WI818 for more information.

If a GEM-K2AS or GEM-RP2ASe2 keypad is used, configure address jumpers as Keypad #1 (see [page 66](#), "Configuring the Keypads"). Use the  or  button to manually scroll the display at the end of each programming line.

## ACCESSING USER PROGRAM MODE

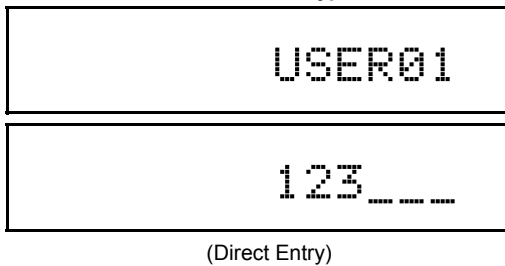
1. Press  

← New Panel (Default User Code = 123) →  
Existing Panel (Any Code with User Program Option Enabled)
2. Press  Until "TURNON PROG Y/N" (GEM-RP2ASe2/GEM-K2AS) or "77" (GEM-RP3DGTL/GEM-K3DGTL or GEM-RP4RFC/GEM-K4RF) appears on the LCD screen.
3. Press  To Enter User Program Mode.
4. Press  To Exit User Program Mode when finished.



# USER CODES

GEM-K2AS Keypad

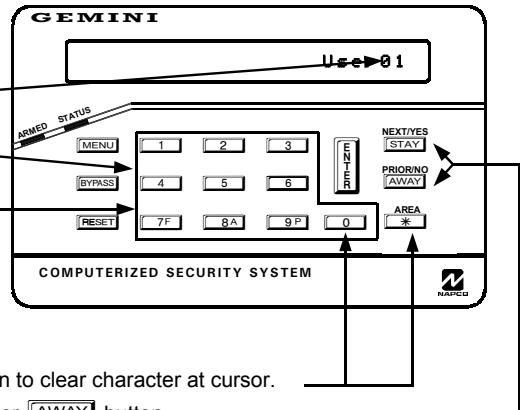


(Direct Entry)

### To Program User Codes

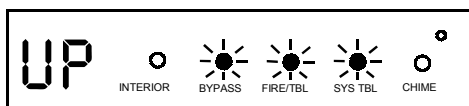
1. Enter 2-digit User Number (01-32) directly using number buttons (0-9).
2. Press the **MENU** button.
3. Enter Code (1-6 digits) directly using number buttons (0-9).
4. Press the **ENTER** button to save each code.

**NOTE:** Press **\*** **0** button to clear character at cursor.  
To continue press **STAY** or **AWAY** button.

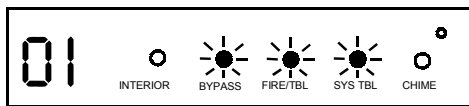


### Programming User Codes with GEM-K2AS Keypad

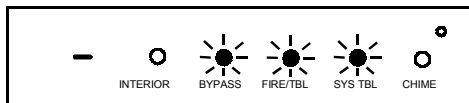
GEM-K3DGTL Keypad



User Program Mode



User Number

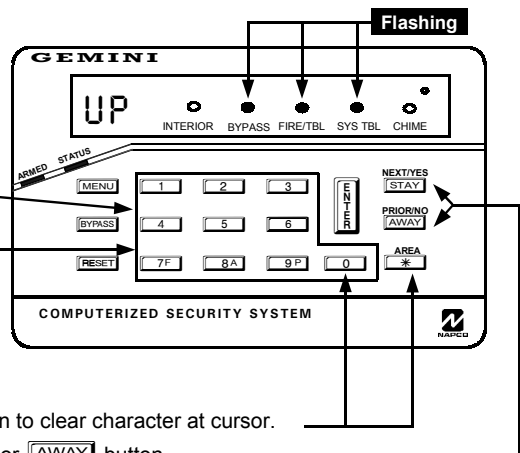


User Code (Direct Entry)

### To Program User Codes

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

**NOTE:** Press **\*** **0** button to clear character at cursor.  
To continue press **STAY** or **AWAY** button.



### Programming User Codes with GEM-K3DGTL Keypad

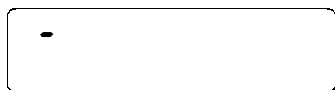
GEM-K4RF Keypad



User Program Mode



User Number

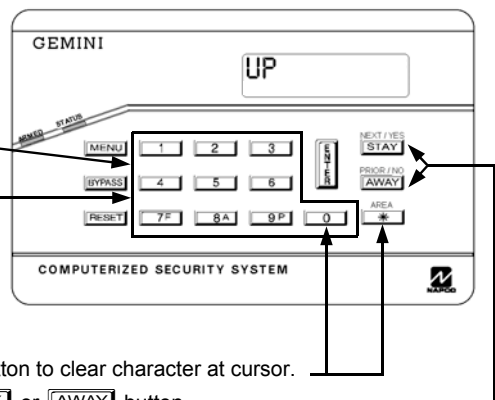


User Code (Direct Entry)

### To Program User Codes

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

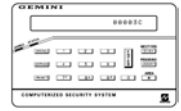
**NOTE:** Press **\*** **0** button to clear character at cursor.  
To continue press **STAY** or **AWAY** button.



### Programming User Codes with GEM-K4RF Keypad

USER PROGRAM MODE: ACCESSING PROGRAM MODE & USER CODES

# KEYPAD CONFIGURATION MODE



This section will focus on configuring the GEM-RP2ASe2/GEM-K2AS, GEM-RP3DGTL/GEM-K3DGTL, GEM-RP4RFC/GEM-K4RF, and GEM-RP4C/GEM-K4 series Keypads. If there is more than one keypad in the system, only Keypad No. 1 may be used for programming. For ease of programming, it is recommended that a GEM-RP1CAe2 or a GEM-K1CA be selected as Keypad #1 (see WI818 for Programming Instructions).

## KEYPAD INSTALLATION

Each keypad must be assigned an address number (1–15) 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. **Note:** The **GEM-RP2ASe2/GEM-K2AS** keypads are utility LCD keypads combining several preset LCD words with a limited message line. Due to space constraints, available messages are abbreviated and will scroll automatically.

## CONFIGURING THE KEYPADS

### Configuring the GEM-RP2ASe2/GEM-K2AS, GEM-RP3DGTL/GEM-K3DGTL, GEM-RP4RFC/GEM-K4RF and GEM-RP4C/GEM-K4 Keypads

Up to 15 GEM-RP2ASe2/GEM-K2AS, GEM-RP3DGTL/GEM-K3DGTL, GEM-RP4RFC/GEM-K4RF and/or GEM-RP4C/GEM-K4 series keypads may be connected to the panel (Keypads 1–15). Each must be configured for a keypad address. In addition, the keypad may be configured to disable (a) touchpad backlight; (b) LCD backlight; and (c) entry sounder. Keypads are configured by the proper selection of jumpers. Refer to the label on the circuit board insulation paper for jumper locations and a summary of settings.

#### 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/GEM-K1CA be selected as Keypad #1).

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

KEYPAD NUMBER	KEYPAD ADDRESS SETTING			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	OFF	
5	ON	OFF	ON	
6	OFF	ON	ON	
7	ON	ON	ON	

**\*Notes:** (1) Keypads are shipped from the factory *without* 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.

#### TOUCHPAD BACK LIGHT

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

#### LCD BACKLIGHT

Cut Jumper B to disable LCD backlighting.

#### DISABLE SOUNDER

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

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# GEM-P3200 WIRING DIAGRAM

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

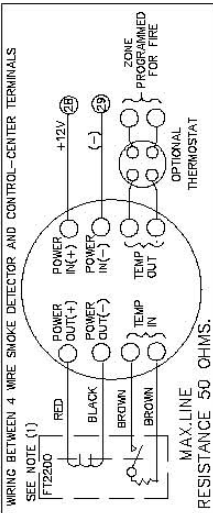


## GEMINI GEM-P3200 / P3200M WIRING DIAGRAM

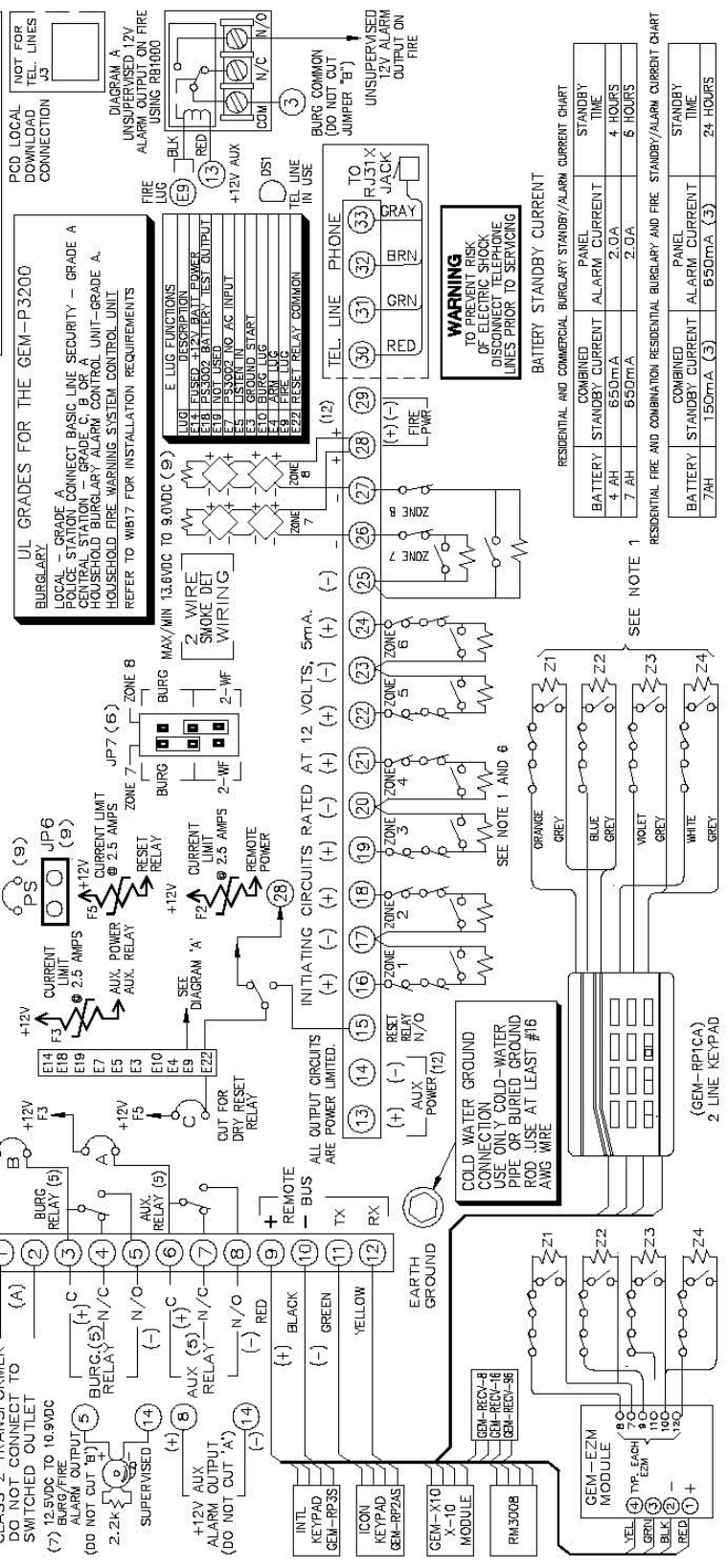
(REFER TO OPERATION AND INSTALLATION INSTRUCTIONS WB17)

- 1.) END-OF-LINE RESISTORS: 2200 OHMS, RED, RED, 5%, 1/2W, (EQ.2.2K) ALSO INSTALLED IF ZONE NOT USED IN PANEL OR ZONE (INCLUDING FIRE AND PANIC). DO NOT INSTALL EOL RESISTOR ON FIRE ZONE IF USING P3200M EOL RELAY.
- 2.) COMBINED STANDBY CURRENT=AUX POWER + RESET POWER + RESET RELAY + FIRE POWER. BELL CURRENT MAY BE INCREASED BY SUBTRACTING AN EQUAL AMOUNT FROM THE STANDBY CURRENT.
- 3.) SYSTEM MUST BE TESTED AT LEAST ONCE A WEEK IN THE AC/BATTERY MODE AND IN THE BATTERY-ONLY MODE. (CONTACT CENTRAL STATION PRIOR TO TESTING)
- 4.) CONTACTS 2A/24VDC RESISTIVE (CUT JUMPER FOR DRY CONTACT)
- 5.) FOR U.L. RESIDENTIAL FIRE, CUT 'PS' JUMPER AND INSTALL SHUNT ACROSS JP6 HEADER.
- 6.) FOR SUPERVISION PROGRAM 'SUPERVISED BELL OUTPUT' UNIT INTENDED TO BE MOUNTED ON THE WALL VERTICALLY
- 7.) REFER TO WB17 FOR COMPATIBLE TWO WIRE SMOKE DETECTORS. DO NOT MIX DIFFERENT MODELS.
- 8.) RECOMMENDED BATTERIES: YUASA NP4-12 AND NP7-12.
- 9.) BATTERIES MUST BE REPLACED EVERY FIVE YEARS.
- 10.) THIS PANEL SHALL BE CHECKED BY A QUALIFIED TECHNICIAN AT LEAST ONCE EVERY THREE YEARS.
- 11.) AUX. POWER AND FIRE POWER VOLTAGE RATING 12.5VDC TO 11.7VDC. PANEL STOPS PROCESSING ALARMS AT 6VDC.
- 12.) THIS PANEL SUPPORTS ONLY ONE SMOKE DETECTOR IN ALARM FOR EACH ZONE.
- 13.) CUT TO DISABLE BELL SUPERVISION. DO NOT CUT IN U.L. INSTALLATIONS.
- 14.) DISABLE AUTO-RESET ON NON-FIRE ZONES FOR SIA QP-01 INSTALLATIONS.

LA1499E



AC IN, 16.5V/60Hz VIA TRF11 OR TRF14. DO NOT CONNECT TO SWITCHED OUTLET



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

BATTERY STANDBY CURRENT

RESIDENTIAL AND COMMERCIAL BURGULARY/ALARM	STANDBY CURRENT	ALARM CURRENT	PANEL STANDBY CURRENT	STANDBY TIME
4 AH	650mA	2.0A	2.0A	4 HOURS
7 AH	650mA	2.0A	2.0A	6 HOURS

BATTERY STANDBY CURRENT

RESIDENTIAL FIRE AND COMBINATION RESIDENTIAL BURGULARY AND FIRE	STANDBY/ALARM CURRENT	STANDBY TIME	
7AH	1500mA (3)	650mA (3)	24- HOURS

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 United Energy Cable is required.

THIS UNIT INCLUDES AN ALARM VERIFICATION FEATURE THAT WILL RESULT IN A DELAY OF THE SYSTEM ALARM BELL OUTPUT UNTIL THE SYSTEM ALARM VERIFICATION SIGNAL IS RECEIVED. THE DELAY TIME IS ADJUSTABLE AND SHALL NOT EXCEED 60 SECONDS. NO OTHER SMOKE DETECTORS SHALL BE CONNECTED TO THESE CIRCUITS UNLESS APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION. CIRCUIT CONTROL UNIT SMOKE DETECTORS ZONES DELAY-SEC. MODEL DELAY-SEC.

THE DELAY (POWER UP) (STARTUP) TIME MARKED ON THE INSTALLATION WIRING DIAGRAM OF THE SMOKE DETECTOR OR ON THE INSTALLED SMOKE DETECTOR(S) IS TO BE USED.

UNSUPERVISED 12V ALARM IN FIRE ALARMS USING RB1000

UNSUPERVISED 12V ALARM OUTPUT ON FIRE

BURG COMMON (DO NOT CUT JUMPER 'B')

DIAGRAM A

PCD LOCAL DOWNLOAD CONNECTION

NOT FOR TEL LINES

KEYPAD CONFIGURE

J5 NORMAL

J3

DIAGRAM A

UNSUPERVISED 12V ALARM OUTPUT ON FIRE

UNSUPERVISED 12V ALARM OUTPUT ON FIRE

UNSUPERVISED 12V ALARM OUTPUT ON FIRE

UNSUPERVISED 12V ALARM OUTPUT ON FIRE

UNSUPERVISED 12V ALARM OUTPUT ON FIRE

UNSUPERVISED 12V ALARM OUTPUT ON FIRE

UNSUPERVISED 12V ALARM OUTPUT ON FIRE

UNSUPERVISED 12V ALARM OUTPUT ON FIRE

UNSUPERVISED 12V ALARM OUTPUT ON FIRE

UNSUPERVISED 12V ALARM OUTPUT ON FIRE

UNSUPERVISED 12V ALARM OUTPUT ON FIRE

UNSUPERVISED 12V ALARM OUTPUT ON FIRE

UNSUPERVISED 12V ALARM OUTPUT ON FIRE

UNSUPERVISED 12V ALARM OUTPUT ON FIRE

UNSUPERVISED 12V ALARM OUTPUT ON FIRE

UNSUPERVISED 12V ALARM OUTPUT ON FIRE

UNSUPERVISED 12V ALARM OUTPUT ON FIRE