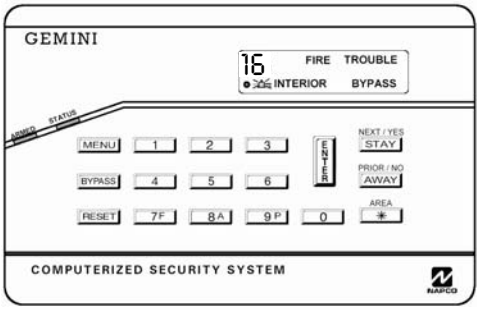
PROGRAMMING INSTRUCTIONS

HARDWIRE GEMINI™ ***WIRELESS***

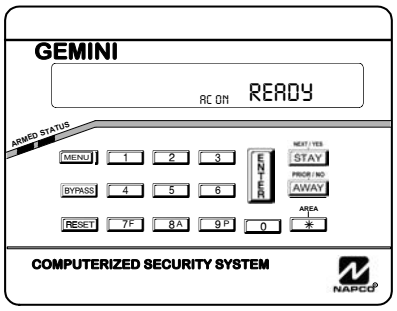
GEM-P816

CONTROL PANEL/COMMUNICATOR

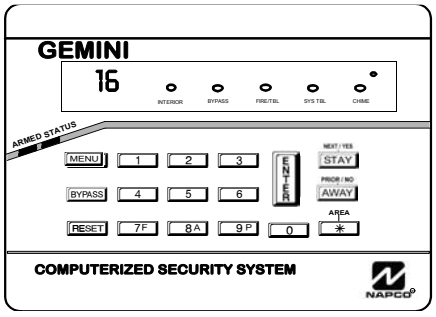
Programming the GEM-P816 Control Panel with the
"Classic" GEM-RP2ASe2, **GEM-RP3DGTL**, and **GEM-RP4RFC/GEM-RP4C** Keypads and
the **"K Series" GEM-K2AS**, **GEM-K3DGTL**, and **GEM-K4/GEM-K4RF** Keypads



"K Series" GEM-K4/GEM-K4RF



"K Series" GEM-K2AS

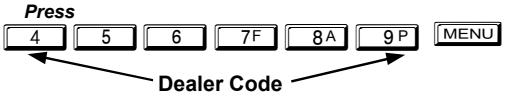


"K Series" GEM-K3DGTL

Quick Start (for GEM-K2AS):

1. **Refer to the wiring diagram, connect Siren, Aux. Power, PGM Output, Remote Bus, Earth Ground, Zone and Telephone Wiring. NOTE: See Installation Instructions (WI994).**
2. **Connect AC power first and then the battery.**
3. **Configure the keypad (see page 55).**
4. **Access the Easy Menu Driven (Dealer Program) Mode:**

Press



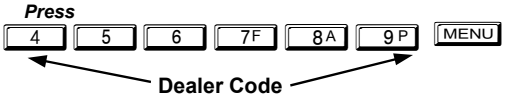
Press **NO until "TURNON PROG Y/N" appears on the keypad display.**

Press **NEXT/YES to enter Dealer Program Mode. See page 5.**

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 (WI994).**
2. **Connect AC power first and then the battery.**
3. **Configure the keypad (see page 55).**
4. **Access the Easy Menu Driven (Dealer Program) Mode:**

Press



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

Press **NEXT/YES to enter Dealer Program Mode. See page 5.**

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

CHANGES FROM PREVIOUS EDITION

The following changes have been made to this manual (WI1182C) since the previous edition (WI1182B):

- All "Not for UL installations" footnote references have been made changed to a consistent "double dagger" symbol ("‡").
- Added "Warning" to page 2 (see below).

Warning: The use of non-NAPCO wireless devices with this control panel has not been evaluated by UL and voids the UL listing. In addition, the performance of these devices can not be guaranteed as compatible with NAPCO control panels.

IMPORTANT NOTE

This manual supports the keypad programming of the GEM-P816 control panel with the NAPCO "classic" GEM-RP2ASe2, GEM-RP3DGTL and GEM-RP4RFC series keypads as well as the GEM-K2AS, GEM-K3DGTL and GEM-K4RF "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 [FUNCTION] button and the [MENU] button operate identically (in Program Mode) for both keypads.
- The [ON / OFF] button and the [ENTER] button operate identically (in Program Mode) for both keypads.
- The [NEXT / YES INTERIOR] button and the [NEXT / YES STAY] button operate identically (in Program Mode) for both keypads. The words "**NEXT/YES** button" are used in this manual.
- The [PRIOR / NO INSTANT] button and the [PRIOR / NO AWAY] button operate identically (in Program Mode) for both keypads. The words "**PRIOR/NO** button" are used in this manual.

☞ **For consistency, it is recommended that all keypads either be all "classic" or all "K Series"--both keypad types should not be used in one alarm system.**

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

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

SYSTEM PROGRAMMING OPTIONS

INTRODUCTION

The GEM-P816 control panel may be programmed by various means, each of which will be covered in detail in the sections that follow. Keypad displays shown are for a GEM-K2AS, GEM-K3DGTL and GEM-K4RF series keypads. With the GEM-RP2ASe2 and 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 or GEM-RP2ASe2 keypad, therefore a GEM-RP1CAe2/GEM-K1CA must be used (see WI995).

- ✓ **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, 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, 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 [RESET] button at any time.
- ✓ **User Program Mode - Keypad programming.** The User Program Mode is intended for authorized users and is limited to keypad programming of User Codes.

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). **Note:** Unattended downloading from a computer is not allowed for Fire Alarm or UL installations.

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

☞ The Default Dealer Code is [4] [5] [6] [7F] [8A] [9P]. Use this code to enter the Dealer Program Mode to program a custom Dealer Code, which replaces the Default Dealer Code. If you clear your Dealer Code, use the Default Dealer Code once again to enter programming.

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

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

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

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

ACCESSING DEALER PROGRAM MODE

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

Dealer Code (Default = 456789)

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 [RESET] [RESET] **to exit Dealer Program Mode when finished.**

CUSTOMIZING A DEFAULT PROGRAM

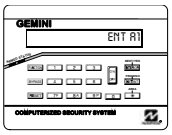
For new panels, you can design a default program that will best suit your application. Using this procedure, you will configure the panel for:

- Number of Zones in Area 1
- 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
- Enable Telco Line Fault Test
- Enable Burg Output Chirp on Keyfob
- Enable CP-01
- Number of Keypads in Area 1
- Central Station Receiver 1 Tel. Number
- Central Station Receiver 1 Account Number
- Central Station Receiver 1 Format
- Enter User Codes
- RF Transmitter Points
  - *Quick Enroll Method*
- Keyfob Transmitters
- Enter Zone Descriptions
- Dealer Code
- Test Timer

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

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

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, [ENTER] to save and [RESET] twice to exit at any time.

```
Ent A1
#ZnXX
```
(Direct Entry)

Total Number of Zones in Area 1 *(Appears for New Panel Only)*
Directly enter the total number of zones to be programmed for Area 1. Valid entries are from 01 to 16. Directly enter the total number of zones, including leading zeros. Use number buttons [1] through [9 P]. **NOTE:** Press [0] for a zero. The system is based on groups of 4 zones each (after the first 8 zones), and will automatically round up to the next group of 4. For example, if you enter 18, it will automatically convert this to 20 zones. Press [ENTER] to save. Press the NEXT/YES button to proceed.

```
Ent Fr
Zn#XX
```
(Direct Entry)

Fire Zones in Area 1 *(Appears for New Panel Only)*
Enter the zone number of any zones which are to be used as Fire Zones (both 2-wire, 4-wire or wireless). Valid entries are from 01 to 16. Directly enter each zone number, including leading zeros, and press [ENTER] to save, and then repeat for any additional zone(s). Press NEXT/YES button to proceed.

```
Ent2WF
Zn#XX
```
(Direct Entry)

2-Wire Fire Zones in Area 1 *(Appears for New Panel Only)*
Enter the zone numbers of any Fire Zones (from previous question) which are to be used with 2-wire smoke detectors. The only valid entries are 07 and 08. Directly enter each zone number, including leading zeros. Press [ENTER] to save, and then repeat for any additional zone(s). **NOTE:** Only zones which have been designated as Fire Zones in the prior question may be programmed as 2 Wire Fire zones. Press the NEXT/YES button to proceed. **NOTE:** JP3 must be set to "2-WF" position for 2-wire fire zones (refer to Installation Instructions).

```
Report
all Zn
Y/N
```
(Press YES or NO)

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

```
EntEE1
Zn#XX
```
(Direct Entry)

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

EntFol
Zn#XX
(Direct Entry)

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

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 16. Directly enter each zone number, including leading zeros.
- Press [ENTER] 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 16. Directly enter each zone number, including leading zeros.
- Press [ENTER] 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 2 zones.
- Valid entries are from 01 to 16. 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: An Exit/Entry 2 Entry Time of 30 sec. will automatically be programmed.

Ent50m
Zn#XX
(Direct Entry)

50mS Loop Response Zones *(New Program Only)*
- Enter the zone numbers of zones to be have a 50mS loop response. **Note:** Time can also be adjusted via address 2280. **Note: 750mS is required for Loop Response time in UL installations**.
- Valid entries are from 01 to 08. Directly enter each zone number, including leading zeros.
- Press [ENTER] to save and then repeat for any additional zone(s), Press the NEXT/YES button to proceed.

EntAux
Zn#XX
(Direct Entry)

AUX Output Activated on Alarm Zones *(New Program Only)*
- Enter the zone numbers of zones to activate the PGM2 output upon alarm.
- Valid entries are from 01 to 16. Directly enter each zone number, including leading zeros.
- Press [ENTER] 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 16. Directly enter each zone number, including leading zeros.
- Press [ENTER] 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 16. Directly enter each zone number, including leading zeros.
- Press [ENTER] 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 16. Directly enter each zone number, including leading zeros.
- Press ENTER 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 secured.

EnNEOL
Y/N

(Press YES or NO)

Enable No EOLR Zones *(New Program Only)*

- Press the NEXT/YES button to program all zones except 24 Hr & fire zones for No End Of Line Resistor. Press the PRIOR/NO button to continue. **NOTE:** Do not program this feature for UL Installations.

Telco
Ln Fit
Y/N

(Press YES or NO)

Enable Telco Line Fault Test? *(New Program Only)*

- Press the NEXT/YES button to enable Telco Line Fault Test.
- Press the PRIOR/NO button to continue.

NOTE: If enabled, a Telco Line Fault Test Delay of 60 seconds will automatically be programmed.

KF Out
Chirp
Y/N

(Press YES or NO)

Enable Burg Output Chirp on Keyfob? *(New Program Only)*

- 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
CP01?
Y/N

(Press YES or NO)

Enable SIA CP01? *(New Program Only)*

- 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. See WI994, "Installer Programming Quick Reference Chart SIA False Alarm Reduction" and "GEM-P816 Factory Default Description" for more information. **NOTE:** Do not enable unless reporting, otherwise system trouble *Fail to Communicate* may occur.

Ent A1
#KP 01

(Direct Entry)

Number of Keypads in Area 1

Directly enter the total number of Keypads to be installed in Area 1. Valid entries are from 01 to 07. Directly enter the number of keypads, including leading zeros. Use number buttons [1] through [9 P]. **NOTE:** Press [0] for a zero. Press ENTER to save. Press the NEXT/YES button to proceed.

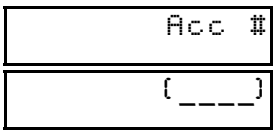
Phone#
_____
_____

(Direct Entry)

Central Station Receiver 1 Telephone Number

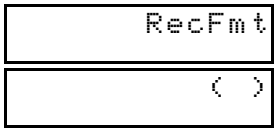
Using number buttons, enter telephone number of up to 16 digits including prefix letters, if necessary, for receiver 1. Use number buttons [1] through [9 P] for digits 1–9; press the [*] [0] buttons for a zero and [*] [1] through [*] [5] for letters B–F, respectively. **NOTE:** Pre-Dial Delay = "D"; Dial-Tone Detection = "E". Pressing [0] will produce a blank space (•). Press ENTER to save. Press the NEXT/YES button to proceed.

NOTE: Central Station Receiver 2 and 3 Telephone Numbers can only 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. Use number buttons [1] through [9 P] for digits 1–9. **NOTE:** Press the [*] [0] buttons for a zero and press [0] for a blank space (•). Press [ENTER] to save. Press the NEXT/YES button to proceed.
NOTE: Central Station Receiver 2 and 3 Account Numbers can only be entered in Direct Address Programming. See CS Reporting Options.

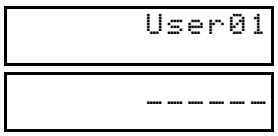


(Direct Entry)

Central Station Receiver 1 Format
From the table below, enter the central station's receiver format. Use number buttons [1] through [9 P]. **NOTE:** Press the [*] [0] buttons for a zero and press [0] for a blank space (•). Press [*] [1] through [*] [4] for letters B–E, respectively. Press [ENTER] to save. Press the NEXT/YES button to proceed.
NOTE: Central Station Receiver 2 and 3 Formats can only be entered in Direct Address Programming. See CS Receiver Options.

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

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



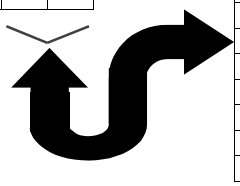
(Direct Entry)

(Direct Entry)

(Direct Entry)

Enter User Codes *(Press the* ([MENU]) *button to set cursor.)*
For default program, enter up to 16 User Codes, with Area 1 Options.
Press [MENU] once to set the cursor to the User Code. Use the number buttons [1] through [9 P] 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 [0] for a zero and press [*] [0] for a blank space (•). No blank spaces in between; leave blank (•) any trailing boxes. If "Enable Global Ambush Code" (Address 0720) is enabled and "Global Ambush Code" (Address 1054) is **not** left blank(•), *do not* program the first two digits of ANY User Code the same as the "Global Ambush Code". **Note:** If the programmed code was less than 6 digits, press [MENU] to set the cursor to the Area 1 Options Level (OPT). Refer to the table on the next page for the available area options. **Note:** Duplicate User Codes are not allowed; therefore a duplicate Code entered in the LCD Window will erase when [ENTER] is pressed.

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



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

AREA OPTIONS: Area 1 Options may be programmed for all 16 users.

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

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

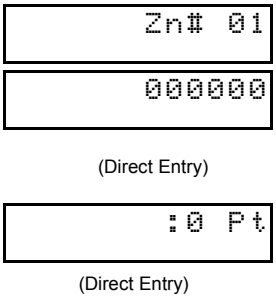
AREA OPTIONS	EXPLANATION
Disabled	User Code not active in this area.
Arm/Disarm	Allows User Code to arm/disarm this area.
Arm Only	Prevents User Code from disarming this area.
Service	A Service Code has restricted arm/disarm rights; if an area is armed with a Service Code, a "MONITOR ON" appears on the GEM-RP2ASe2 keypad and the area can be disarmed with any valid User Code, including a Service Code. If the area is armed with OTHER than a Service Code, it CANNOT be disarmed with a Service Code. This is typically used to allow tradesmen access to premises under control of the owner.
Access	This is normally used to activate a door strike while an area is disarmed. Also program "Access Control on PGM2 Output" (Address 0719) and "PGM2 Output Access Control Timeout" (Address 0711).
Ambush	There are two types of Ambush Codes: (1) A 2-digit code (prefix) that is entered immediately prior to (and as part of) the regular User Code and (2) A separate and unique User Code. Disarming with an Ambush Code will cause a silent report to be sent to a central station. Thus, should a user be forced to disarm, he can silently signal an emergency while appearing to be merely disarming the system.
*** User Program**	User Program Option is enabled for Keypad 1 only. To enable User Program Option for any user add 8 to the data entry for Area 1 Option (see example). Then, User Programming can be performed only at Keypad 1 by a user code with user program enabled.
Bypass Enable	Security Bypass--Bypass is enabled only with a security code.

☞Press [ENTER] to save. To proceed to the next User Code, press [MENU] to set the cursor to the User Number and change it using the number buttons.

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

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

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



RF Transmitter Points *(Press the* ([MENU]) *button to set cursor).*

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

For each transmitter (keyfob transmitters also), enter the **zone number** (01–16) to which the transmitter will be mapped, the **6-digit RF ID #**:**1-digit checksum number** printed on the transmitter and box, the **point number** (1 or 2); *enter "9" for unsupervised* (all points). **NOTE:** When programming the ID Code number, "0" through "9" = [0] through [9 P]; "A" = [✳] [0]; "B" = [✳] [1]; "C" = [✳] [2]; "D" = [✳] [3]; "E" = [✳] [4] and "F" = [✳] [5]. Press [ENTER] to save. Press the NEXT/YES button button to proceed.

Quick Enroll Method.

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

1. Enter the zone number to which the transmitter point will be mapped.
2. Press the [BYPASS] button to enter the Enroll Mode. The red and green LEDs on the keypad will flash.
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 (see example).

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

1. Enter the Enroll mode as described above.
2. Enter Zone "06".
3. Open point-1 loop.
4. Install the battery. The keypad will beep once to indicate that one point has been programmed. (Transmitter 287613:1, point 1 will be mapped to Zone 6).
5. Enter Zone "09".
6. Close point-1 loop and open point-2 loop.
7. Remove the transmitter battery, then re-install it. The keypad will beep once to indicate that one point has been programmed. (Transmitter 287613:1, point 2 is mapped to Zone 9).

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

KFob01

Area

(Direct Entry)

000000

(Direct Entry)

:0 0 0

(Direct Entry)

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

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

☞ The **Keyfob Transmitter number** (01–08). Press [0] [1] through [0] [8A] for 01-08.

☞ **Area number** to which transmitter is assigned ("1" for Area 1 or "0" to disable keyfob). Press [0] or [1] for 0 or 1, respectively.

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

☞ 1-digit checksum number printed on the transmitter.

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

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

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

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

If the Keyfob is converted for Two Button "Emergency Use" (by cutting an internal jumper), both top or bottom buttons must be depressed to activate an alarm. In this case, the Aux-1 and Aux-2 cannot be programmed. Press [ENTER] to save. Press the NEXT/YES button to proceed. **NOTE:** Keyfobs 1-8 report openings and closings as Users 09-16.

Keyfob Transmitters as Zone Input Devices
(refer to display as shown above: press the PRIOR/NO button to go backwards).

Each of the 4 keyfob buttons can be assigned to a zone. For example, On button = point 1; Off button = point 2; A1 = point 3; A2 = point 4. Up to 16 keyfobs (using 1 button) or 8 keyfobs (using 2 buttons) or 4 keyfobs (using all 4 buttons) or any combination up to a maximum of 16 controlled zones can be assigned, providing multiple wireless panic buttons on a system, each reporting to a Central Station or a pager and/or annunciating on a keypad the keyfob zone number with description/location. *To assign a keyfob to a zone:* program the keyfob as you would a transmitter, entering the keyfob's ID code, check sum and point number at the appropriate zone. The "Quick Method" is not allowed. The zone may be hardwired to an electrical sensor as well as assigned to a keyfob (either one will activate the zone alarm output). **NOTE:** If assigning a keyfob to a zone, the "ON/OFF" buttons on the keyfob will no longer arm/disarm the system. The keyfob is converted to a "panic only" device.

ZONE DESCRIPTIONS: GEM-RP2ASe2 cannot be used to enter Zone Descriptions. To enter Zone Descriptions, you must use the *GEM-RP1CAe2 Keypad / GEM-K1CA Keypad (See WI995) or the Napco PCD-Windows Quickloader Software.*

D Code

(Direct Entry)

456789

(Direct Entry)

RE-ENT

(Direct Entry)

Dealer Code

Directly enter the Dealer Code (default = 456789), including leading zeros. Use the [1] through [9P] buttons. **NOTE:** Press [0] for a zero. 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 the [RESET] button 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 2285 (Clear Program) or 2286 (Cold Start); (c) press [ENTER] and then (d) press [RESET] to exit the Dealer Program Mode. A "SYSTEM TROUBLE/E03-00 SERVICE" will occur. Press [RESET] to silence the keypad.

2285 XX

(Direct Entry)

Clear Dealer Program (Erases Dealer Program)

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

Access address 2285, then press the [ENTER] button. Data entry is not allowed. **NOTE:** Enter Easy Menu Driven Program Mode to program system again.

2286 XX

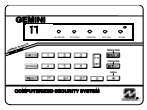
(Direct Entry)

Cold Start (Erases Entire Program)

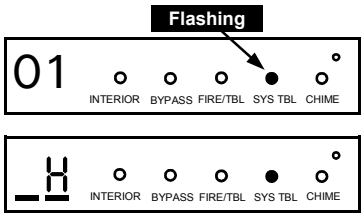
This erases the entire program including Dealer Program by erasing Program Data, Zone Description Data and System Status Data (similar to a new panel).

Access address 2286, then press the [ENTER] button. 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

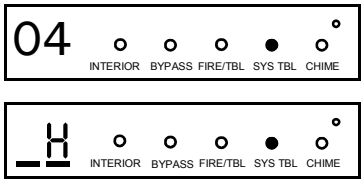


Enter the Default Dealer Program Code ("456789") for a new panel or enter your custom Dealer Program Code if programmed. Press [MENU], followed by [PRIOR/NO] repeatedly until "17" is displayed (you can scroll back by pressing [BYPASS]). Press [NEXT] to enter Dealer Program Mode. For the GEM-RP3DGTL/GEM-K3DGTL (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 the Dealer Program Mode, press [RESET] twice to resume normal keypad operation. To return the panel to the factory default, enter the Direct Address Program Mode, go to location 2286 and press [ENTER].



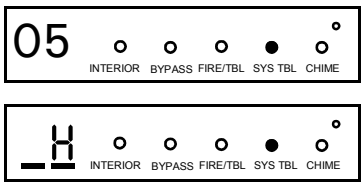
(Direct Entry)

Total Number of Zones *(Appears for New Panel Only)*
Directly enter the total number of zones to be programmed. Valid entries are from 01 to 16. Directly enter the total number of zones, including leading zeros. Use number buttons [1] through [9 P]. **NOTE:** Press the [0] button for a zero. The system is based on groups of 4 zones each (after the first 8 zones), and will automatically round up to the next group of 4. For example, if you enter 13, it will automatically convert this to 16 zones. Press [ENTER] to save. Press the NEXT/YES button to proceed.



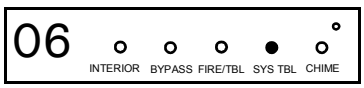
(Direct Entry)

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



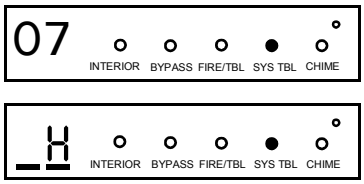
(Direct Entry)

2-Wire Fire Zones *(Appears for New Panel Only)*
Enter the zone number of any Fire Zones (from previous question) which are to be used with 2-wire smoke detectors. The only valid entries are 07 and 08. Directly enter each zone number, including leading zeros. Press [ENTER] to save, and then repeat for any additional zone. **NOTE:** Only zones which have been designated as Fire Zones can be programmed as 2 Wire Fire zones. Press the NEXT/YES button to proceed. **NOTE:** JP7 must be set to "2-WF" position for 2-wire fire zones 7 and 8 (refer to Installation Instructions).



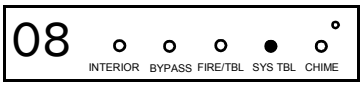
(Press YES or NO)

Local System or C.S. Reporting System *(Appears for New Panel Only)*
Press the NEXT/YES button for all zones to report; press the PRIOR/NO button for no zones to report (LOCAL SYSTEM).



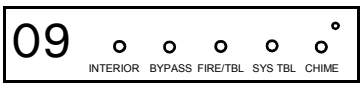
(Direct Entry)

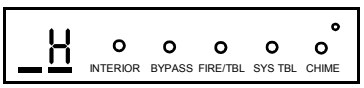
Exit/Entry Zones *(Appears for New Panel Only)*
Directly enter the zone numbers which are to be used as Exit/Entry zones. Valid entries are from 01 to 16. Directly enter each zone number, including leading zeros. Use number buttons [1] through [9 P]. **NOTE:** Press the [0] button for a zero. Press [ENTER] to save and then repeat for any additional zone(s). Press the NEXT/YES button to proceed.
NOTE: Exit/Entry Zones will have an entry delay of 30 seconds and an exit delay of 60 seconds.



(Direct Entry)

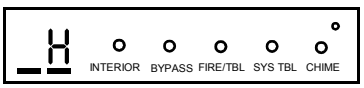
Interior Zones *(Appears for New Panel Only)*
Directly enter the zone numbers which are to be used as Interior Zones. Valid entries are from 01 to 16. Directly enter each zone number, including leading zeros. Use number buttons [1] through [9 P]. **NOTE:** Press the [0] button for a zero. Press [ENTER]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





(Direct Entry)

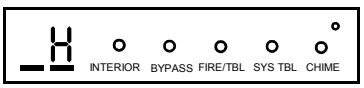
24 Hour Zones in Area 1 *(New Program Only)*
- Enter the zone numbers of zones to be used as 24 Hour zones.
- Valid entries are from 01 to 16. Directly enter each zone number, including leading zeros.
- Press [ENTER] to save and repeat for any additional zone(s); press the NEXT/YES button to proceed.



(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 16. Directly enter each zone number, including leading zeros.
- Press [ENTER] to save and then repeat for any additional zone(s), press the NEXT/YES button to proceed.

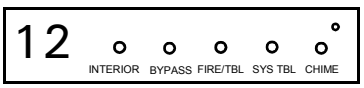
NOTE: A chime time of 2 seconds will be automatically programmed.



(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 16. Directly enter each zone number, including leading zeros.
- Press [ENTER] to save and then repeat for any additional zone(s), press the NEXT/YES button to proceed.

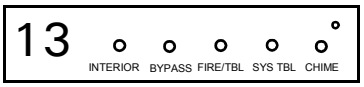
NOTE: A chime time of 2 seconds will be automatically programmed.
Chime 2 zones give a distinct pulsating tone when zone is faulted.

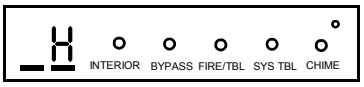


(Direct Entry)

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





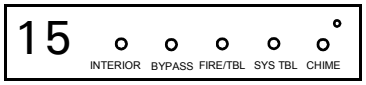
(Direct Entry)

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 8. Directly enter each zone number, including leading zeros.
- Press [ENTER] to save and then repeat for any additional zone(s), press the NEXT/YES button to proceed. (**Note: 750mS is required for Loop Response time in UL installations**). **Note:** Time can also be adjusted via address 2280.

(Direct Entry)

Aux Output Activated on Alarm Zones *(New Program Only)*
- Enter the zone numbers of zones to activate the PGM2 Output upon alarm.
- Valid entries are from 01 to 16. Directly enter each zone number, including leading zeros.
- Press [ENTER] to save and then repeat for any additional zone(s), Press the NEXT/YES button to proceed.

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

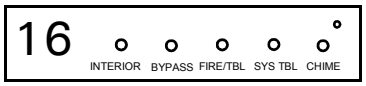


(Direct Entry)

Sensor Watch Zones *(New Program Only)*

- Enter the zone numbers of zones to be Sensor Watch zones.
- Valid entries are from 01 to 16. Directly enter each zone number, including leading zeros.
- Press ENTER to save and then repeat for any additional zone(s), press the NEXT/YES button to proceed.

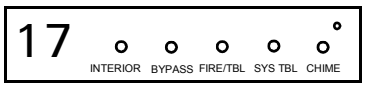
NOTE: A Sensor Watch Time of 24 hours will automatically be programmed.

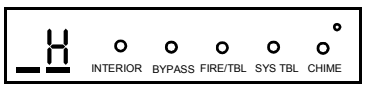


(Direct Entry)

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 16. Directly enter each zone number, including leading zeros.
- Press ENTER to save and then repeat for any additional zone(s), press the NEXT/YES button to proceed.

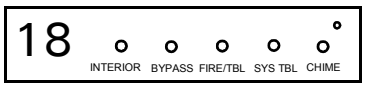




(Direct Entry)

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

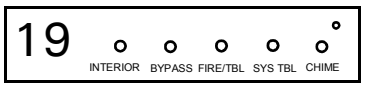
- Enter the zone numbers of zones to be Auto Bypass Re-entry zones.
- Valid entries are from 01 to 16. Directly enter each zone number, including leading zeros.
- Press ENTER to save and then repeat for any additional zone(s), press the NEXT/YES button to proceed.
- Auto Bypass Re-entry Zones allow the system to be armed with the zone faulted but come back into the system (armed) when the zone is subsequently closed.



(Press YES or NO)

Enable No EOLR Zones *(New Program Only)*

- Press the NEXT/YES button to program all zones except 24 Hr & fire zones for No End Of Line Resistor. Press the PRIOR/NO button to continue. **NOTE:** Do not program this feature for UL Installations.

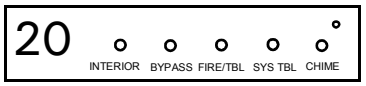


(Press YES or NO)

Enable Telco Line Fault Test?

- Press the NEXT/YES button to enable Telco Line Fault Test.
- Press the PRIOR/NO button to continue.

NOTE: There is a preset 60 second Telco Line Fault Test Delay.



(Press YES or NO)

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.

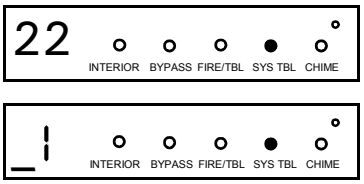
NOTE: The Burg Output will chirp once on Keyfob Arm and twice on Keyfob Disarm.

(Press YES or NO)

Enable SIA CP-01?

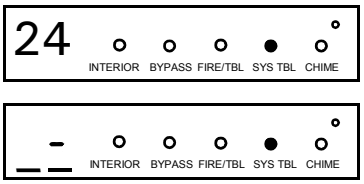
- Press the NEXT/YES button to enable.
- Press the PRIOR/NO button to continue.

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.



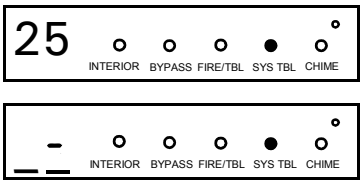
(Direct Entry)

Number of Keypads
Directly enter the total number of Keypads to be installed. Valid entries are from 01 to 07. Directly enter the number of keypads, including leading zeros. Use number buttons [1] through [9 P]. **NOTE:** Press [0] for a zero. Press [ENT-YES] to save. Press the NEXT/YES button to proceed.



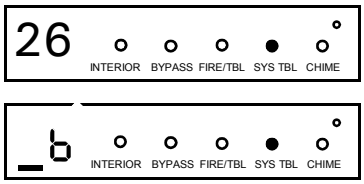
(Direct Entry)

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



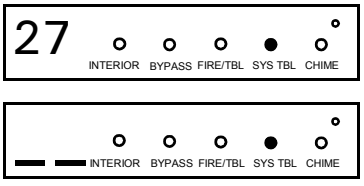
(Direct Entry)

Central Station Receiver 1 Format
From the table below, enter the central station's receiver format. Use number buttons [1] through [9 P]. **NOTE:** Press the [0] button for a zero and press [*] [0] for a blank space (•). Press [*] [1] through [*] [4] for letters B–E, respectively. Press [ENT-YES] to save. 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.



(Direct Entry)

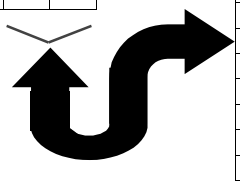
Enter User Codes *(Press the ([MENU]) button to set cursor)*
Enter up to 16 User Codes with User Options for each code. Refer to the tables below for available data entries for User Options.

☞ Press [MENU] once to set cursor to the User Number and enter the desired User Number. Press [MENU] once again to set the cursor to the User Code. Use the number buttons [1] through [9 P] to enter a code from 3 to 6 digits. Enter up to 6 digits (4 digits are recommended) in the first six boxes from left to right for each user code. Valid entries are: 0-9. **Note:** Press [0] for a zero. No blank spaces in between; leave blank (•) any trailing boxes. If an "Ambush Prefix" (Address 0495) is entered, *do not* program the first two digits of ANY User Code as the same digits entered for the "Ambush Prefix".

☞ If the programmed code is less than 6 digits, press [MENU] to set the cursor to USER OPTIONS.

☞ Refer to the tables on the next page for the available User Option data entries.

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



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

USER OPTIONS: Area 1 options for 16 Users:

☞ Select the desired options from the table shown and enter in the remaining boxes for each user code.

Example: Program a code of "1234" for user 02, with Area 1 options of "Arm/Disarm" and "User Program":

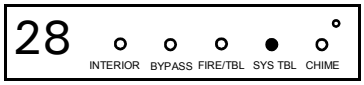
With "27" displayed in keypad window, press [MENU], [0] [2] (User 2), [MENU] [1] [2] [3] [4], [✳] [0] [✳] [0] (User Code), [0] [9 P] (User Area 1 options) and [ENTER] (save).

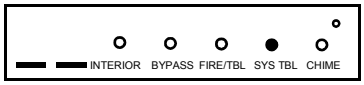
Notes: (1) For **User Code**, press [✳] [0] for Blank Space; (2) For **User Options**, press [0] for Blank Space.

CODE TYPE	EXPLANATION
Disabled	User Code not active.
Arm/Disarm	Allows User Code to arm/disarm.
Arm Only	Prevents User Code from disarming.
Service	A Service Code has restricted arm/disarm rights; if an area is armed with a Service Code, a "SERVICE ON" appears on the GEM-RP2ASe2 keypad and the area can be disarmed with any valid User Code, including a Service Code. If the area is armed with OTHER than a Service Code, it CANNOT be disarmed with a Service Code. This is typically used to allow tradesmen access to premises under control of the owner.
Access	This is normally used to activate a door strike. Also program "Access Control on PGM2 Output" (Address 0719) and "PGM2 Output Access Control Timeout" (Address 0711).
Ambush	There are two types of Ambush Codes: (1) A 2-digit code (prefix) that is entered immediately prior to (and as part of) the regular User Code and (2) A separate and unique User Code. Disarming with an Ambush Code will cause a silent report to be sent to a central station. Thus, should a user be forced to disarm, he can silently signal an emergency while appearing to be merely disarming the system.
*** User Program**	User Program Option is enabled for Keypad 1 only, wherever it is connected. To enable User Program Option for any user add 8 to the data entry Option (see example). Then, User Programming can be performed only at Keypad 1 by a user code with user program enabled.
Bypass Enable	Security Bypass--Bypass is enabled only with a security code.

Related User Options: "Enable Global Ambush Code" (Address 1422) & "Global Ambush Code" (Address 2045).

CHANGING OR CANCELING A CODE: To change any code, merely program over the existing code as described above and press [ENTER] to save. Similarly, to cancel a code, blank out each number of the code and press [ENTER] to save. **Note:** Duplicate User Codes are not allowed; therefore a duplicate Code entered in the LCD Window will erase when [ENTER] is pressed.





RF Transmitter Points *(Press the ([MENU]) button to set cursor)*

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

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

Quick Enroll Method.

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

1. Enter the zone number to which the transmitter point will be mapped.
2. Press the [BYPASS] button to enter the Enroll Mode. The red and green LEDs on the keypad will flash and the window will display as shown at left.
3. Open the loop of the point that is to be programmed (GEM-TRANS2 or GEM-TRANS4 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 1) or to selected zones point by point (Example 2).

Example 1. *A 4-point transmitter has the RF ID number 410078:1. Map the first three points to Zones 11–13, respectively.*

1. Enter the Enroll mode as described in step 2 above.
2. Enter Zone "11".
3. Open the loops of points 1, 2 and 3.
4. Install the transmitter battery. The keypad will beep 3 times to indicate that three points have been programmed.

☞ Transmitter 410078:1, point 1 will be mapped to Zone 11.

☞ Transmitter 410078:1, point 2 will be mapped to Zone 12.

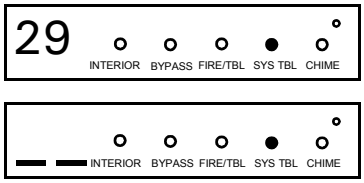
☞ Transmitter 410078:1, point 3 will be mapped to Zone 13.

The keypad will now display Zone 13, the last zone enrolled.

Example 2. *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).

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



Keyfob Transmitters *(Press [MENU] to set cursor).*

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

☞ The Keyfob Transmitter number (01–08).

☞ Area number to which transmitter is assigned (1 only); enter 0 to disable keyfob.

☞ The 6-digit RF ID # printed on the transmitter (enter all numbers and/or letters, including leading "0"s, if any).

☞ 1-digit checksum number printed on the transmitter (enter all numbers and/or letters, including leading "0"s, if any).

☞ Aux-1 Option (see keyfob aux 1 & aux 2 options).

☞ Aux-2 Option (see keyfob aux 1 & aux 2 options).

Press [ENTER] to save. Press the NEXT/YES button to proceed.

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

NOTE: Keyfobs 1-8 report openings and closings as Users 09-16.

Note: If the Keyfob is converted for Two Button "Emergency Use" (by cutting an internal jumper), both top or bottom buttons must be depressed to activate an alarm. In this case, the Aux-1 and Aux-2 cannot be programmed.

Keyfob Transmitters as Zone Input Devices *(refer to display above: press the PRIOR/NO button to go backwards).*

Each of the 4 keyfob buttons can be assigned to a zone. For example, On button = point 1; Off button = point 2; A1 = point 3; A2 = point 4. Up to 16 keyfobs (using 1 button) or 8 keyfobs (using 2 buttons) or 4 keyfobs (using all 4 buttons) or any combination up to a maximum of 16 controlled zones can be assigned, providing multiple wireless panic buttons on a system, each reporting to the Central Station or a pager and/or annunciating on a keypad the keyfob zone number with description/location. *To assign a keyfob to a zone:* program the keyfob as you would a transmitter, entering the keyfob's ID code, check sum and point number at the appropriate zone. The "Quick Method" is not allowed. The zone may be hardwired to a sensor as well as assigned to a keyfob (either one will activate the zone alarm output). **NOTE:** If assigning a keyfob to a zone, the "ON/OFF" buttons on the keyfob will no longer arm/disarm the system. The keyfob is converted to a "panic only" device.

ZONE DESCRIPTIONS: GEM-K3DGTL cannot be used to enter Zone Descriptions. To enter Zone Descriptions, you must use the *GEM-K1CA Keypad or the Napco Quickloader Software.*

DATE ENTRY: GEM-K3DGTL cannot be used to enter the date. To enter Date, you must use the *GEM-K1CA Keypad (Version 5 or later) or the Napco Quickloader Software.*

TIME ENTRY: GEM-K3DGTL cannot be used to enter the time. To enter Time, you must use the *GEM-K1CA Keypad (Version 5 or later) or the Napco Quickloader Software.*

(Direct Entry)

Dealer Code

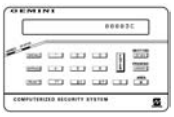
Directly enter the Dealer Code, including leading zeros. Use the [1] through [9 P] buttons. **NOTE:** Press [0] for a zero. Press [ENTER] to save.

Re-enter the Dealer Code to verify the previous code. Press [ENTER] to save. Press the NEXT/YES button to proceed. **NOTE:** The Dealer Code can be two or more digits (up to 6 digits).

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 2285 (Clear Program) or 2286 (Cold Start); (c) press [ENTER] and then (d) press [RESET] to exit the Dealer Program Mode. A System Trouble Condition will occur. Press [RESET] to silence the keypad.

DIRECT ADDRESS PROGRAM MODE



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

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

0000 TO 2287

HEXADECIMAL DATA:
- **BLANK (•) = No Options**
- **1 to 9 = Entries 1 to 9**
- **0 = Entry of 10**
- **B to F = Entries 11 to 15**

KEYPAD PROGRAMMING OVERVIEW

Direct Address Programming allows you to go directly to the address locations and change the data entries to customize your control panel options. Whereas the Easy Menu Program Mode is a simple quick start guide with limited options, the Direct Address Program Mode is more flexible allowing you to change all the options.

It consists of multiple address locations with two data entry locations each (left and right) as shown in the adjacent diagram.

ACCESSING DIRECT ADDRESS PROGRAM MODE

1. ***Press*** [ ][ ][ ][ ][ ][ ] [MENU]

   Dealer Security Code (Default is 456789)

2. ***Press the PRIOR/NO*** ([AWAY]) ***button*** **until:**

   "TURNON PROG Y/N" **(GEM-RP2ASe2/GEM-K2AS)**

   --or--

   "17" **(GEM-RP3DGTL/GEM-K3DGTL or GEM-RP4RFC/GEM-K4RF) appears on the keypad display.**

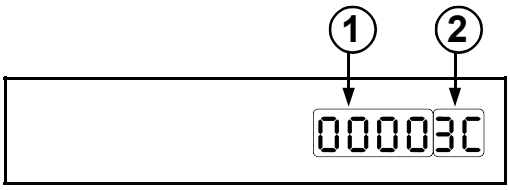
3. ***Press the NEXT/YES*** ([STAY]) ***button*** **to enter Dealer Program Mode.**

   (The panel and keypad version appears briefly on the keypad display).

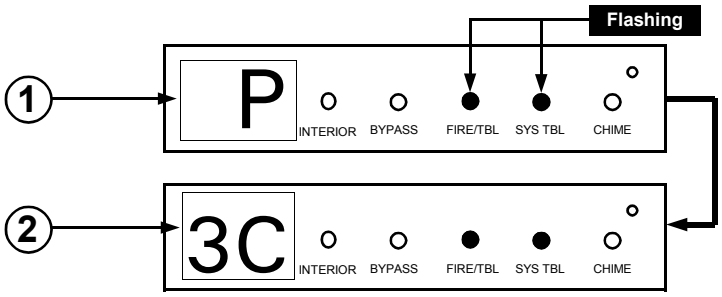
4. ***Press*** [RESET] **to exit Easy Menu Driven Program Mode & enter Direct Address Program Mode.**

   (For keypad display examples when in Program Mode, see next page).

KEYPAD ADDRESS PROGRAM MODE DISPLAY

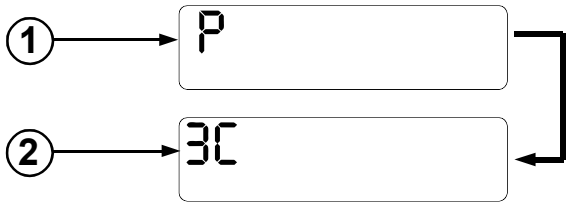


GEM-RP2ASe2/GEM-K2AS Keypads



GEM-RP3DGTL/GEM-K3DGTL Keypads

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



GEM-RP4RFC/GEM-K4RF 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.

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

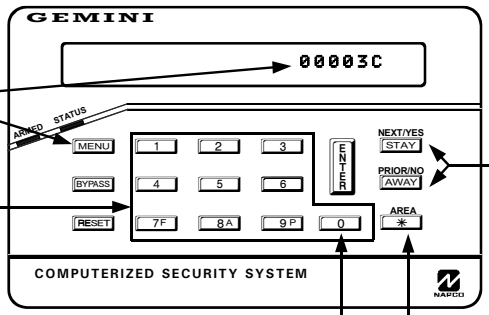
DIRECT ADDRESS PROGRAM MODE KEYPAD COMMANDS

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.

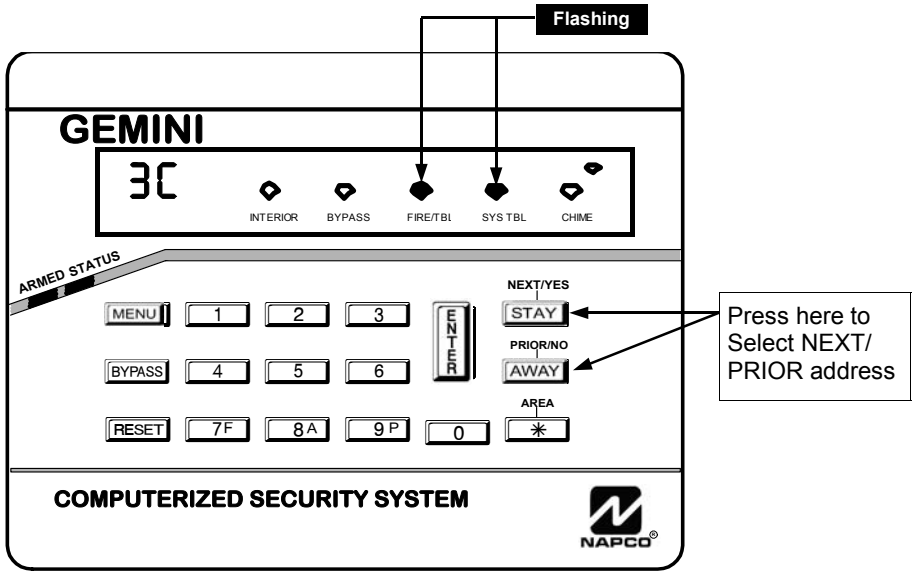
* Press [*] [0] through [*] [5] for 10-15, respectively.

B. GEM-K3DGTL/GEM-RP3DGTL 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.

Example: 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 0916, 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 0916			ZONES RIGHT DATA VALUES			
	ZN08	ZN07	ZN06	ZN05	L	ADDR	R	ZN04	ZN03	ZN02	ZN01
EXIT/ENTRY FOLLOWER	⑧	④	②	1	E	0916	BLANK (•)	8	4	2	1

ENTER DATA ✎

PROGRAM THE DATA ENTRIES

1. Enter the panel's Dealer Security Code, 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] [9P] [1] [6] to access Address 0916. *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 0916 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 [ENTER] 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 PCD-Windows error-check feature be utilized to reduce the possibility of programming omissions or conflicts.

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

Keep the Keypad Programming Worksheets on file for future reference.

General Programming Steps

☞ 1. Contact the central station to ascertain receiver format, data format, event codes, subscriber numbers and telephone number(s).

☞ 2. Select the desired features by circling the respective "address" boxes. Refer to the Programming Options and Worksheets for guidance in selecting the "data" (1,2,4,8) to be entered into those boxes.

☞ 3. Program the data entered in the boxes on the worksheets into the respective addresses. The display will show the entry numerically, but will display "0" for the number 10, and letters "B", "C", "D", "E", and "F" for the numbers 11 through 15, respectively. To program a 10, press [✳] [0]. To program 11 through 15, press [✳] [1] through [✳] [5], respectively.

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

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

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

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

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

[Default = 3 C]

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

[Default = 1 E]

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

[Default = 1 E]

PGM2 Output Access Cntrl Timeout (sec.)	ADDRESS 1413 LEFT	ADDRESS 1413 RIGHT

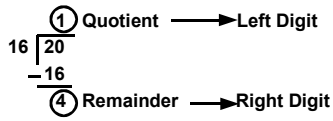
[Default = blank (•) blank (•)]

ABORT DELAY (sec.)	ADDRESS 1417 LEFT	ADDRESS 1417 RIGHT

[Default = 1 E]

DATA ENTRIES LEFT	DATA ENTRIES 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 min.

1. Select delay/timeout (0-255 sec.) from the table shown.
2. Enter in corresponding address locations above (left and right digits).
3. For a desired delay/timeout not listed do the following:
   A. Choose a desired delay/timeout, ex: 20 sec.
   B. Divide it by 16
4. Press [ENTER] to save.



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

Sensor Watch Time (Hrs.)	ADDRESS 2050 LEFT	ADDRESS 2050 RIGHT

[Default = 24 HRS = 1 8

Report Cancel Window (min.)	ADDRESS 2055 LEFT	ADDRESS 2055 RIGHT

[Default = zero minutes = blank (•) blank (•)]

PROGRAMMING TIMEOUTS: Either use the tables provided 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 1418 & 1419)

CHIME TIME (¼sec.)	ADDRESS 1418 LEFT	ADDRESS 1418 RIGHT

[Default = 2 sec. = blank (•) 8]

AC Fail Report Delay (min.)	ADDRESS 1419 LEFT	ADDRESS 1419 RIGHT

[Default = 60 mins. = 3 C]

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

CHIME TIMEOUT OPTIONS		
DATA ENTRIES LEFT	DATA ENTRIES RIGHT	TIMEOUT
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

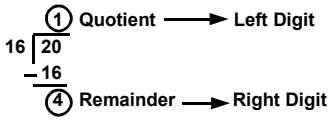
AC FAIL REPORT DELAY OPTIONS		
DATA ENTRIES LEFT	DATA ENTRIES RIGHT	TIMEOUT
blank (•)	blank (•)	blank (•)
blank (•)	1	1
blank (•)	2	2
blank (•)	3	3
blank (•)	4	4
blank (•)	5	5
blank (•)	6	6
blank (•)	7	7
↓	↓	↓
F	F	255 min. = 4 Hr., 30 min.

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

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

☞ 3. For a desired delay/timeout not listed do the following:
   A. Choose a desired delay/timeout, ex: 20
   B. Divide it by 16

☞ 4. Press [ENTER] to save.



Program Option	ADDRESS LOC. LEFT	ADDRESS LOC. RIGHT

ENTER DATA

PROGRAMMING STEPS:

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

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

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

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

SYSTEM OUTPUT TIMEOUTS (ADDRESS 1412 & 1414-1416)

PGM2 Output Timeout (min.)	ADDRESS 1412 LEFT	ADDRESS 1412 RIGHT

[Default = blank (•) blank (•)]

Alarm Output Timeout (min.)	ADDRESS 1414 LEFT	ADDRESS 1414 RIGHT

[Default = 15 mins. = (blank) F]

Pulse Alarm Output Timeout (min.)	ADDRESS 1415 LEFT	ADDRESS 1415 RIGHT

[Default = 15 mins. = (blank) F]

PGM1 Output Timeout (min.)	ADDRESS 1416 LEFT	ADDRESS 1416 RIGHT

[Default = blank (•) blank (•)]

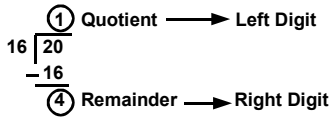
DATA ENTRIES LEFT	DATA ENTRIES RIGHT	DELAY/ TIMEOUT
blank (•)	blank (•)	0 min.
blank (•)	1	1 min.
blank (•)	2	2 min.
blank (•)	3	3 min.
blank (•)	4	4 min.
blank (•)	5	5 min.
blank (•)	6	6 min.
1	blank (•)	16 min.
↓	↓	↓
F	F	255 min.

☞ 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

☞ 4. Press [ENTER] to save.



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

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

No. Rings Before Pickup	ADDRESS 2059 LEFT	ADDRESS 2059 RIGHT
	blank (•)	

[Default = blank (•) blank (•)]

NUMBER OF RINGS BEFORE PICKUP: Enter the number of rings before automatic pickup by the control panel when downloading from a computer (see installation instructions WI994 for more information).

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

☞ 2. Valid entries are: 3-9, 0 = 10, B = 11, C = 12, D = 13, E = 14, F = 15

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

☞ 3. Press [ENTER] to save.

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

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

CALLBACK TELEPHONE NUMBER: Enter telephone number to be used when downloading from a computer (see installation instructions WI994 for more information).

☞ 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 (•). For a zero, press [*] [0].

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

☞ 4. Press [ENTER] to save.

PAGER FORMAT OPTIONS (ADDRESS 0546 & 0547)

Leading Digits for Pager Format (1st Digit)	ADDRESS 0546 LEFT	ADDRESS 0546 RIGHT
	blank (•)	

Leading Digits for Pager Format (2nd Digit)	ADDRESS 0547 LEFT	ADDRESS 0547 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. A typical Pager report is "003 22 1234", where 3 is the Event, 22 is the zone, and 1234 is the Subscriber ID number. For example, if the Leading Digits are programmed as "98", the Pager report will now appear as "983 22 1234". **NOTE:** See CS Receiver Options to select Pager Format.

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

☞ 2. Valid entries are: 0-9.

☞ 3. Press [ENTER] to save.

SYSTEM OPTIONS (ADDRESS 0836-0863 & 2045)

SYSTEM RESPONSE ACTIVATED BY GLOBAL EVENT/TROUBLE	GLOBAL SYSTEM EVENT/TROUBLE LEFT DATA VALUES (CIRCLE ✎)				ADDRESS 0836-0843			GLOBAL SYSTEM EVENT/TROUBLE RIGHT DATA VALUES (CIRCLE ✎)			
	Bell Superv.	EZM TAMPER	AC FAIL	LOW BATTERY	LEFT	ADDR	RIGHT	MEMORY FAILURE	RF RCVR. TROUBLE	TELCO FAILURE	TEST TIMER
Alarm Output	8	4	2	1		0836		8	4	2	1
Pulsed Alarm Output	8	4	2	1		0837		8	4	2	1
PGM1 Output	8	4	2	1		0838		8	4	2	1
PGM2 Output	8	4	2	1		0839		8	4	2	1
Report Event Telco 1	8	4	2	1		0840		8	4	2	1
Report Restore Telco 1	8	4	2	1		0841		8	4	2	1
Report Event Telco 3	8	4	2	1		0842		8	4	2	1
Report Restore Telco 3	8	4	2	1		0843		8	4	2	1

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

SYSTEM RESPONSE ACTIVATED BY AREA 1 EVENT/TROUBLE	AREA 1 SYSTEM EVENT/TROUBLE LEFT DATA VALUES (CIRCLE ✎)				ADDRESS 0856-0863			AREA 1 SYSTEM EVENT/TROUBLE RIGHT DATA VALUES (CIRCLE ✎)			
	Keyfob Low Batt.	FAIL TO CLOSE	FAIL TO OPEN	KEYPAD TAMPER	LEFT	ADDR	RIGHT	KEYPAD AUX.‡	KEYPAD FIRE	KEYPAD PANIC	AMBUSH
Pulsed Alarm Output	8	4	2	1		0856		8	4	2	1
Alarm Output	8	4	2	1		0857		8	4	2	1
PGM1 Output	8	4	2	1		0858		8	4	2	1
PGM2 Output	8	4	2	1		0860		8	4	2	1
Report Event Telco 1	8	4	2	1		0861		8	4	2	1
Report Event Telco 3	8	4	2	1		0863		8	4	2	1

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

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

☞2. Add the data values (ex: 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 [ENTER] to save.

	ADDRESS 2045	
	LEFT	RIGHT
Global Ambush Code		

[Default = blank (•) blank (•)]

GLOBAL AMBUSH CODE: It is the 2-digits entered immediately prior to the regular disarm code. If "Enable Global Ambush Code" (Address 1422) is selected and Address 2045 is left blank (•), then the 2-digit Global Ambush Code is "99". If "Enable Global Ambush Code" is selected and Address 2045 is **not** left blank (•), then the 2-digit Global Ambush Code is the two digits entered in address 2045.

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

☞ Press [ENTER] to save.

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SYSTEM OPTIONS (ADDRESS 1420-1424)

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

ADDRESS 1420

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

[Default = blank (•) blank (•)]

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

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE ✎)
Access Control on PGM2 Output	1
Maintained Keyswitch Arming	2
Enable Manager's Mode	4
Disable Keypad Instant Mode	8

ADDRESS 1421

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

[Default = blank (•) blank (•)]

RIGHT DATA VALUES (CIRCLE ✎)	SYSTEM OPTIONS
1	Auto Bell Test on Arming
2	Auto Reset after Burglary Output Timeout
4	Suppress Bypass Reminder when Armed
8	Enable Local Alarm on First Zone AND Trip

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE ✎)
Disable Keypad Function Mode Download	1
Disable Callback Download	2
Chirp Output on Keyfob Arm/Disarm	4
Change Pulse Output to Temporal Output§	8

ADDRESS 1422

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

[Default = blank (•) blank (•)]

RIGHT DATA VALUES (CIRCLE ✎)	SYSTEM OPTIONS
1	Interior Normally By-passed
2	Enable Global Ambush Code **
4	Reset Day Zone with Arm/ Disarm Only
8	Enable Residential Fire

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE ✎)
Line-Fault Test only when Armed*	1
Enable Line-Fault Test*	2
Inhibit System Trouble Audible at Keypad‡	4
Select Alarm Output for Keyfob Chirp	8

ADDRESS 1423

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

[Default = blank (•) blank (•)]

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

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE ✎)
Don't Clear PGM2 Output with Disarm	1
Disable 2nd Call Ans. Machine Override	2
RESERVED	4
Disable Code Required for EZ Bypass	8

ADDRESS 1424

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

[Default = blank (•) blank (•)]

RIGHT DATA VALUES (CIRCLE ✎)	SYSTEM OPTIONS
1	Automatic Interior Bypass/ Easy Exit
2	Veri-phone Zones Trip PGM2 Output
4	Veri-phone Audio Priority Over Alarms
8	Resound on Wireless Smoke Low Battery

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

☞ 2. Add the data values (ex: 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 [ENTER] to save.

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

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

‡**NOTE:** Not for UL Installations.

§This feature must be programmed in Fire Alarm applications.

SYSTEM OPTIONS (ADDRESS 2051-2054)

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE
RESERVED	1
RESERVED	2
Disable System Trouble Audible Timeout	4
Enable "K Series" Style Keypads††	8

ADDRESS 2051

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

[Default = blank (•) blank (•)]

RIGHT DATA VALUES	SYSTEM OPTIONS
1	Enable Keypad Set Time/ Date Message
2	Enable Cancel Report to Telco 3
4	Disable [ON/OFF] as Easy Exit
8	Enable GEM-PRINT Module

E15 LUG/ SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE)
RESERVED	1
RESERVED	2
RESERVED	4
RESERVED	8

ADDRESS 2052

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

[Default = blank (•) blank (•)]

RIGHT DATA VALUES (CIRCLE)	E15 LUG/ SYSTEM OPTIONS
1	RESERVED
2	RESERVED
4	Lug E15 Area 1 Armed Away Only*‡
8	PGM on RF Transmitter Tamper‡

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE)
Digital Dialer Rpt Enter / Exit Test Mode	1
Disable Call Waiting on 1st Attempt	2
Enable Keypad 1 Only Programming	4
Enable CP-01 Egress Tones Only	8

ADDRESS 2053

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

[Default = blank (•) blank (•)]

RIGHT DATA VALUES (CIRCLE)	SYSTEM OPTIONS
1	Exit Time Restart
2	Sound Alarm On Exit Error
4	Rpt Exit Err/Recent Close
8	Enable CP-01 Limits

SYSTEM OPTIONS	LEFT DATA VALUES (CIRCLE)
RESERVED	1
RESERVED	2
RESERVED	4
RESERVED	8

ADDRESS 2054

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

[Default = blank (•) blank (•)]

RIGHT DATA VALUES	SYSTEM OPTIONS
1	Enable TCP/IP Communications‡
2	RESERVED
4	TCP/IP Panel/Site Initiated Functions
8	RESERVED

☞ 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 ENTER to save.

***Note:** (Address 2052) If this feature is not selected, the E15 Lug will, by default, activate when the system is armed (in either Stay or Away mode).

‡**NOTE:** Not for UL Installations.

††**NOTE:** This option is for reference only and cannot be changed.

CS RECEIVER OPTIONS (ADDRESS 0460-0525)

	ADDRESS 0460	
CS Receiver 1 Format	LEFT	RIGHT
	blank (•)	

	ADDRESS 0482	
CS Receiver 2 Format	LEFT	RIGHT
	blank (•)	

	ADDRESS 0504	
CS Receiver 3 Format	LEFT	RIGHT
	blank (•)	

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

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

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

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

☞ 1. Select the desired CS Receiver Format from the table shown.

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

☞ 3. Press [ENTER] to save.

CS RECEIVER TELCO 1 OPTIONS	LEFT DATA VALUES (CIRCLE ✎)
Sum Check	1
3/1 with Extended Restores	2
Enable TCP/IP AES RPT	4
RESERVED	8

ADDRESS 0461	
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)

[Default = blank (•) blank (•)]

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

CS RECEIVER TELCO 2 OPTIONS	LEFT DATA VALUES (CIRCLE ✎)
Sum Check	1
3/1 with Extended Restores	2
Enable TCP/IP AES RPT	4
RESERVED	8

ADDRESS 0483	
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)

[Default = blank (•) blank (•)]

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

CS RECEIVER TELCO 3 OPTIONS	LEFT DATA VALUES (CIRCLE ✎)
Sum Check	1
3/1 with Extended Restores	2
Enable TCP/IP AES RPT	4
RESERVED	8

ADDRESS 0505	
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)

[Default = blank (•) blank (•)]

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

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

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

☞ 2. Add the data values (ex: 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. Press [ENTER] to save.

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

CS Receiver 1 Telephone Number (Digits 1-20)	ADDRESS 0462-0481 (RIGHT DIGITS 1-20)																			
	0462	0463	0464	0465	0466	0467	0468	0469	0470	0471	0472	0473	0474	0475	0476	0477	0478	0479	0480	0481
	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 0484-0503 (RIGHT DIGITS 1-20)																			
	0484	0485	0486	0487	0488	0489	0490	0491	0492	0493	0494	0495	0496	0497	0498	0499	0500	0501	0502	0503
	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 0506-0525 (RIGHT DIGITS 1-20)																			
	0506	0507	0508	0509	0510	0511	0512	0513	0514	0515	0516	0517	0518	0519	0520	0521	0522	0523	0524	0525
	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 (•). For a zero, press [✳] [0].

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

CS SUBSCRIBER ID OPTIONS (ADDRESS 0560-0667)

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

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

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

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

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

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

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

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

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

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 (•). For a zero, press [✳] [0]. Valid entries are: 1-9, 0 and B-F. **NOTE:** A is not permitted. Press [Enter] to save.

CS SYSTEM REPORTING OPTIONS (ADDRESS 0670-0705)

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

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

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

CS SYSTEM REPORTING CODES:

1. Enter in corresponding address location (left and right digits).

   NOTE: Left digit is the first digit and right digit is the second digit in a two digit CS receiver format.

2. Valid entries are: 1-9, 0 and B-F.

   NOTE: A is not permitted.

3. To disable a code leave boxes blank (•).

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

4. Press ENTER to save.

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

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

DISABLE OPENING REPORTS	
ADDRESS 0785	
LEFT DIGIT	RIGHT DIGIT (SUM OF DATA VALUES)
blank (•)	

RIGHT DATA VALUES (CIRCLE ✎)	AREA
1	AREA 1
2	RESERVED
4	RESERVED
8	RESERVED

[Default = blank (•) blank (•)]

DISABLE CLOSING REPORTS	
ADDRESS 0786	
LEFT DIGIT	RIGHT DIGIT (SUM OF DATA VALUES)
blank (•)	

RIGHT DATA VALUES (CIRCLE ✎)	AREA
1	AREA 1
2	RESERVED
4	RESERVED
8	RESERVED

[Default = blank (•) blank (•)]

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

ADDRESS 0788	
LEFT DIGIT (SUM	RIGHT DIGIT (SUM

[Default = blank (•) blank (•)]

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

CS AREA & SYSTEM REPORTING OPTIONS:

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

☞ 2. Add the data values (ex: 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. Press ENTER to save.

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

CS ZONE REPORTING OPTIONS (ADDRESS 0720-0735)

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

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

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

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

ZONE REPORT CODE OPTIONS	
DATA ENTRIES	
LEFT	RIGHT

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

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

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

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

☞ 2. Press [zon–zon] to save.

CS USER REPORTING OPTIONS (ADDRESS 0800-0813)

	LEFT DATA VALUE				ADDRESS 0800		RIGHT DATA VALUES				LEFT DATA VALUE				ADDRESS 0801		RIGHT DATA VALUES			
User Opening Telco 1	User 8	User 7	User 6	User 5	LEFT	RIGHT	User 4	User 3	User 2	User 1	User 16	User 15	User 14	User 13	LEFT	RIGHT	User 12	User 11	User 10	User 9
	8	4	2	1			8	4	2	1	8	4	2	1			8	4	2	1

	ADDRESS 0804		RIGHT DATA VALUES			
User Opening Telco 1	LEFT	RIGHT	User 36	User 35	User 34	User 33
			8		2	1

User 33 = Auto Arming/Disarming
User 34 = Quickloader Remote Arming/Disarming
User 35 = Easy Arming (Opening not applicable)
User 36 = 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 09-16, respectively.

	LEFT DATA VALUE				ADDRESS 0809		RIGHT DATA VALUES				LEFT DATA VALUE				ADDRESS 0810		RIGHT DATA VALUES			
User Opening Telco 1	User 8	User 7	User 6	User 5	LEFT	RIGHT	User 4	User 3	User 2	User 1	User 16	User 15	User 14	User 13	LEFT	RIGHT	User 12	User 11	User 10	User 9
	8	4	2	1			8	4	2	1	8	4	2	1			8	4	2	1

	ADDRESS 0813		RIGHT DATA VALUES			
User Opening Telco 1	LEFT	RIGHT	User 36	User 35	User 34	User 33
			8		2	1

User 33 = Auto Arming/Disarming
User 34 = Quickloader Remote Arming/Disarming
User 35 = Easy Arming (Opening not applicable)
User 36 = 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 09-16, respectively.

CS USER REPORTING OPTIONS: [Default = blank (•) blank (•) from address 0800-0813]

☞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 [ENTER] to save.

CS USER REPORTING OPTIONS (ADDRESS 0818-0831)

User Opening Telco 3	LEFT DATA VALUE				ADDRESS 0818		RIGHT DATA VALUES				LEFT DATA VALUE				ADDRESS 0819		RIGHT DATA VALUES			
	User 8	User 7	User 6	User 5	LEFT	RIGHT	User 4	User 3	User 2	User 1	User 16	User 15	User 14	User 13	LEFT	RIGHT	User 12	User 11	User 10	User 9
	8	4	2	1			8	4	2	1	8	4	2	1			8	4	2	1

User Opening Telco 3	ADDRESS 0822		RIGHT DATA VALUES			
	LEFT	RIGHT	User 36	User 35	User 34	User 33
			8		2	1

User 33 = Auto Arming/Disarming
User 34 = Quickloader Remote Arming/Disarming
User 35 = Easy Arming (Opening not applicable)
User 36 = 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 09-16, respectively.

User Opening Telco 3	LEFT DATA VALUE				ADDRESS 0827		RIGHT DATA VALUES				LEFT DATA VALUE				ADDRESS 0828		RIGHT DATA VALUES			
	User 8	User 7	User 6	User 5	LEFT	RIGHT	User 4	User 3	User 2	User 1	User 16	User 15	User 14	User 13	LEFT	RIGHT	User 12	User 11	User 10	User 9
	8	4	2	1			8	4	2	1	8	4	2	1			8	4	2	1

User Opening Telco 3	ADDRESS 0831		RIGHT DATA VALUES			
	LEFT	RIGHT	User 36	User 35	User 34	User 33
			8		2	1

User 33 = Auto Arming/Disarming
User 34 = Quickloader Remote Arming/Disarming
User 35 = Easy Arming (Opening not applicable)
User 36 = 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 09-16, respectively.

CS USER REPORTING OPTIONS: [Default = blank (•) blank (•) from address 0818-0831]

☞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 [2nd-Zone] to save.

EZM GROUP OPTIONS (ADDRESS 1455-1456)

EZM Group 1	
ADDRESS 1455	
LEFT	RIGHT
blank	

EZM Group 2	
ADDRESS 1456	
LEFT	RIGHT
blank	

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

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

EZM GROUP OPTIONS: Up to 2 Groups of 4 Zones each may be programmed depending on the number of Zones used and which EZM modules are connected. Each Group represents 4 Zones.

☞ 1. Select EZM type from the table shown.

☞ 2. Enter either blank (•) or "1" in corresponding address locations above.

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

☞ 3. Press to save.

AREA BELL CONTROL OPTIONS (ADDRESS 1473, 1477, 1481, 1485)

Output Turns Off upon Disarm

RESERVED	LEFT DATA VALUES (CIRCLE ✎)
RESERVED	1
RESERVED	2
RESERVED	4
RESERVED	8

Burglary Output Turns Off upon Disarm ADDRESS 1473	
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)
●	(1)

[Default = blank (•) one (1)]

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

RESERVED	LEFT DATA VALUES (CIRCLE ✎)
RESERVED	1
RESERVED	2
RESERVED	4
RESERVED	8

Pulsed Burg Output Turns Off upon Disarm ADDRESS 1477	
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)
●	(1)

[Default = blank (•) one (1)]

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

Silence PGM1 Output / PGM2 Output

RESERVED	LEFT DATA VALUES (CIRCLE ✎)
RESERVED	1
RESERVED	2
RESERVED	4
RESERVED	8

PGM1 Output Turns Off upon Disarm ADDRESS 1481	
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)
●	(1)

[Default = blank (•) one (1)]

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

RESERVED	LEFT DATA VALUES (CIRCLE ✎)
RESERVED	1
RESERVED	2
RESERVED	4
RESERVED	8

PGM2 Output Turns Off upon Disarm ADDRESS 1485	
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)
●	(1)

[Default = blank (•) one (1)]

RIGHT DATA VALUES (CIRCLE ✎)	Disarming
1	PGM2 Burg Output Silenced
2	RESERVED
4	RESERVED
8	RESERVED

OUTPUT TURNS OFF UPON DISARM:

Select options for any of the 4 Outputs. By default, the ability to turn off an output upon disarm is not allowed.

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

☞ 2. Add the data values (ex: F=15=(1+2+4+8) from the selected options. See page 23).

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

☞ 4. Press [ENTER] to save.

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

Keypad 1 Type	ADDRESS 1425	
	LEFT	RIGHT

[Default = blank (•) blank (•)]

Keypad 2 Type	ADDRESS 1426	
	LEFT	RIGHT

[Default = blank (•) blank (•)]

Keypad 3 Type	ADDRESS 1427	
	LEFT	RIGHT

[Default = blank (•) blank (•)]

Keypad 4 Type	ADDRESS 1428	
	LEFT	RIGHT

[Default = blank (•) blank (•)]

Keypad 5 Type	ADDRESS 1429	
	LEFT	RIGHT

[Default = blank (•) blank (•)]

Keypad 6 Type	ADDRESS 1430	
	LEFT	RIGHT

[Default = blank (•) blank (•)]

Keypad 7 Type	ADDRESS 1431	
	LEFT	RIGHT

[Default = blank (•) blank (•)]

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

‡Not for UL Installations.

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

KEYPAD TYPE: Up to 7 keypads may be programmed, if they are connected.

NOTE: See Keypad Configuration Mode.

1. Select keypad type for each keypad from the tables shown.
2. Enter in corresponding right and left digit address locations above.
3. Press [2nd-Zen] to save.

KEYPAD NO.	KEYPAD OPTIONS LEFT DATA VALUES (CIRCLE ✎)				ADDRESS 1440-1446			KEYPAD OPTIONS RIGHT DATA VALUES (CIRCLE ✎)			
	RSRVD	PANEL ACCESS	EASY ARMING	AMBUSH	LEFT	ADDR	RIGHT	RSRVD	KEYPAD PANIC	KEYPAD AUX.‡	KEYPAD FIRE
1	8	4	2	1		1440		8	4	2	1
2	8	4	2	1		1441		8	4	2	1
3	8	4	2	1		1442		8	4	2	1
4	8	4	2	1		1443		8	4	2	1
5	8	4	2	1		1444		8	4	2	1
6	8	4	2	1		1445		8	4	2	1
7	8	4	2	1		1446		8	4	2	1

[Default = blank (•) blank (•) from address 1440-1446] ‡**NOTE: Keypad Aux. is not to be selected for UL Installations.**

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

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

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

3. Press [2nd-Zen] to save.

TEMPERATURE DISPLAY AT KEYPAD (ADDRESS 1666-1668)

☞ --ZONE 6 TEMPERATURE SENSOR--

Temperature Lower Limit‡	LEFT DATA VALUES
Binary Temperature Value 16°	1
Binary Temperature Value 32°	2
Binary Temperature Value 64°	4
Enable for Negative Temperature Value	8

ADDRESS 1666

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

[Default = blank (•) blank (•)]

RIGHT DATA VALUES	Temperature Lower Limit‡
1	Binary Temperature Value 1°
2	Binary Temperature Value 2°
4	Binary Temperature Value 4°
8	Binary Temperature Value 8°

Temperature Upper Limit‡	LEFT DATA VALUES
Binary Temperature Value 16°	1
Binary Temperature Value 32°	2
Binary Temperature Value 64°	4
Enable for Negative Temperature Value	8

ADDRESS 1667

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

[Default = blank (•) blank (•)]

RIGHT DATA VALUES	Temperature Upper Limit‡
1	Binary Temperature Value 1°
2	Binary Temperature Value 2°
4	Binary Temperature Value 4°
8	Binary Temperature Value 8°

Enable Temperature Options‡	LEFT DATA VALUES
Reserved	1
Reserved	2
Reserved	4
Reserved	8

ADDRESS 1668

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

[Default = blank (•) blank (•)]

RIGHT DATA VALUES	Enable Temperature Options‡
1	Enable Temperature Display Option
2	Select Degrees Celsius
4	Report Temperature Alarm (Zone 6)
8	Reserved

Temperature Display at the Keypad

The temperature is displayed instead of the date on line 2 of the GEM-RP1CAe2 and GEM-K1CA keypads only. The keypads listed on the cover of this manual are able to program, but not display, this Temperature Display feature.

The GEM-RP1CAe2 / GEM-K1CA keypad will display from –22F to 140F (or -30C to 60C). Fahrenheit is the default setting, select Celsius by enabling address 1668 option 2 (right nibble). When this Temperature Display Option is enabled, Zone 6 becomes the input for the GEM-TEMP64 Temperature Sensor module and Zone 6 of the panel becomes inoperative.

Address 1668 option 3 (right nibble) enables Zone 6 to report a temperature problem. Address 1666 (options 1-7) set the lower limit temperature value and address 1667 (options 1-7) sets the upper limit temperature value (both values are set in binary). If the temperature detected by the panel is above or below these set limits, the panel will report an alarm on Zone 6. To function and report properly, Zone 6 must be selected as a reporting zone, 24hr zone in area 1 and auto-resetable. At both 1666 and 1667 addresses, option 8 sets positive or negative temperature. If the temperature of 0 degrees is required, "negative zero" (-0) degrees must be used (+0 or an empty location is not a valid temperature). To simulate the sensor module, a power supply can be connected to Zone 6 and set from .55v to 3.05v to display the whole temperature range. Temperature values are read and updated every 5 seconds. To report an outer limit temperature, the temperature must be out of limits for 2 seconds. To avoid false alarm reports, the limits have a threshold of 5 degrees in the software. Two new logs have been created for temperature out of limits and restore. If the [✳] key is depressed and held down for 2 seconds, the date will display for 5 seconds.

In addition, three addresses must be enabled (either via Quickloader or via direct address programming) in order for the **Temperature Display at Keypad** feature to operate.

The following features must be enabled In Quickloader (or in direct address programming):

1. **Keypad Assignment**, **Temperature Settings** tab, **Enable Temperature Display** (Address 1668, option 1)
2. **Keypad Assignment**, **Keypad Features** tab, **Enable Keypad Time/Date Display** (Address 1420, option 7)
3. **Keypad Assignment**, **Keypad Features** tab, **Enable Set Time/Date Message** (Address 2051, option 1)

Note: If these three addresses are set and power (AC and battery) are subsequently removed, they keypad will indicate that the time and date are lost and will need to be reset. See WI1425 for more information.

‡This feature not evaluated by UL.

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

ZONE OPTIONS	ZONES 13-16 LEFT DATA VALUES (CIRCLE ✎)				ADDRESS			ZONES 9-12 RIGHT DATA VALUES (CIRCLE ✎)				ZONES 5-8 LEFT DATA VALUES (CIRCLE ✎)				ADDRESS			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		0964		8	4	2	1	8	4	2	1		0900		8	4	2	1
✞✦ Priority	8	4	2	1		0965		8	4	2	1	8	4	2	1		0901		8	4	2	1
Priority with Bypass	8	4	2	1		0966		8	4	2	1	8	4	2	1		0902		8	4	2	1
Auto-Bypass	8	4	2	1		0967		8	4	2	1	8	4	2	1		0903		8	4	2	1
✞✦ Selective Bypass	8	4	2	1		0968		8	4	2	1	8	4	2	1		0904		8	4	2	1
Keyswitch Arming	8	4	2	1		0969		8	4	2	1	8	4	2	1		0905		8	4	2	1
Auto-Bypass Re-entry	8	4	2	1		0970		8	4	2	1	8	4	2	1		0906		8	4	2	1
Pre-Alarm Warning	8	4	2	1		0971		8	4	2	1	8	4	2	1		0907		8	4	2	1
Never Arm	8	4	2	1		0972		8	4	2	1	8	4	2	1		0908		8	4	2	1
24-Hour Zone	8	4	2	1		0973		8	4	2	1	8	4	2	1		0909		8	4	2	1
✞✦ Alarm Output	8	4	2	1		0974		8	4	2	1	8	4	2	1		0910		8	4	2	1
✞ Pulsed Alarm Output	8	4	2	1		0975		8	4	2	1	8	4	2	1		0911		8	4	2	1
PGM1 Output	8	4	2	1		0976		8	4	2	1	8	4	2	1		0912		8	4	2	1
PGM2 Output	8	4	2	1		0977		8	4	2	1	8	4	2	1		0913		8	4	2	1
✞ Entry/Exit 1	8	4	2	1		0978		8	4	2	1	8	4	2	1		0914		8	4	2	1
Entry/Exit 2	8	4	2	1		0979		8	4	2	1	8	4	2	1		0915		8	4	2	1
✞ Exit/Entry Follower	8	4	2	1		0980		8	4	2	1	8	4	2	1		0916		8	4	2	1
✞★ Auto Reset	8	4	2	1		0981		8	4	2	1	8	4	2	1		0917		8	4	2	1
✞★ Swinger Shutdown	8	4	2	1		0982		8	4	2	1	8	4	2	1		0918		8	4	2	1
✞ Chime	8	4	2	1		0983		8	4	2	1	8	4	2	1		0919		8	4	2	1
Abort Delay	8	4	2	1		0984		8	4	2	1	8	4	2	1		0920		8	4	2	1
Power-up Delay	8	4	2	1		0985		8	4	2	1	8	4	2	1		0921		8	4	2	1
Day Zone Open	8	4	2	1		0986		8	4	2	1	8	4	2	1		0922		8	4	2	1
Day Zone Short	8	4	2	1		0987		8	4	2	1	8	4	2	1		0923		8	4	2	1
Alarm on Day Zone	8	4	2	1		0988		8	4	2	1	8	4	2	1		0924		8	4	2	1
✞ Alarm Telco 1	8	4	2	1		0989		8	4	2	1	8	4	2	1		0925		8	4	2	1
Alarm Restore 1	8	4	2	1		0990		8	4	2	1	8	4	2	1		0926		8	4	2	1
Trouble Telco 1	8	4	2	1		0991		8	4	2	1	8	4	2	1		0927		8	4	2	1
Trouble Restore 1	8	4	2	1		0992		8	4	2	1	8	4	2	1		0928		8	4	2	1
Alarm Telco 3	8	4	2	1		0993		8	4	2	1	8	4	2	1		0929		8	4	2	1
Alarm Restore 3	8	4	2	1		0994		8	4	2	1	8	4	2	1		0930		8	4	2	1
Trouble Telco 3	8	4	2	1		0995		8	4	2	1	8	4	2	1		0931		8	4	2	1
Trouble Restore 3	8	4	2	1		0996		8	4	2	1	8	4	2	1		0932		8	4	2	1
No EOL Resistor	8	4	2	1		0997		8	4	2	1	8	4	2	1		0933		8	4	2	1
Trouble on Open	8	4	2	1		0998		8	4	2	1	8	4	2	1		0934		8	4	2	1
Trouble on Short	8	4	2	1		0999		8	4	2	1	8	4	2	1		0935		8	4	2	1
✞ Zone Area 1	8	4	2	1		1000		8	4	2	1	8	4	2	1		0936		8	4	2	1
RESERVED	8	4	2	1		1001		8	4	2	1	8	4	2	1		0937		8	4	2	1
RESERVED	8	4	2	1		1002		8	4	2	1	8	4	2	1		0938		8	4	2	1
RESERVED	8	4	2	1		1003		8	4	2	1	8	4	2	1		0939		8	4	2	1
Interior (Stay) Bypass	8	4	2	1		1004		8	4	2	1	8	4	2	1		0940		8	4	2	1
Keypad Sounder on Alarm	8	4	2	1		1005		8	4	2	1	8	4	2	1		0941		8	4	2	1
✞ 2-Wire Smoke Detectors (B)	8	4	2	1	(•)	1006	(•)	8	4	2	1	8	4	2	1		0942	(•)	8	4	2	1
✞ Fire (C)	8	4	2	1		1007		8	4	2	1	8	4	2	1		0943		8	4	2	1
Fire Alarm Verification (C)	8	4	2	1		1008		8	4	2	1	8	4	2	1		0944		8	4	2	1
RESERVED	8	4	2	1	(•)	1009	(•)	8	4	2	1	8	4	2	1	(•)	0945	(•)	8	4	2	1
Zone ANDing Group 1	8	4	2	1		1010		8	4	2	1	8	4	2	1		0946		8	4	2	1
Zone ANDing Group 2	8	4	2	1		1011		8	4	2	1	8	4	2	1		0947		8	4	2	1
Zone ANDing Group 3	8	4	2	1		1012		8	4	2	1	8	4	2	1		0948		8	4	2	1
Zone ANDing Group 4	8	4	2	1		1013		8	4	2	1	8	4	2	1		0949		8	4	2	1
Sensor Watch	8	4	2	1		1014		8	4	2	1	8	4	2	1		0950		8	4	2	1
RESERVED	8	4	2	1		1015		8	4	2	1	8	4	2	1		0951		8	4	2	1
Chime 2	8	4	2	1		1016		8	4	2	1	8	4	2	1		0952		8	4	2	1
RESERVED	8	4	2	1		1017		8	4	2	1	8	4	2	1		0953		8	4	2	1
RESERVED	8	4	2	1		1018		8	4	2	1	8	4	2	1		0954		8	4	2	1

See steps listed at bottom of page → Step 1 | Step 2 | Step 4 | Step 4 | Step 2 | Step 2 | Step 4 | Step 4 | Step 2

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

For notes (A), (B) and (C), see next page.

NOTE: (Address Location 0942 can only be programmed as "blank (•) blank (•)", "4 blank (•)", "8 blank (•)" or "C blank (•)".

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

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

2. ***Enable*** desired options for each zone by drawing a circle ✎ around its corresponding binary data value. **NOTE:** No circle = feature disabled.

ZN04	ZN03	ZN02	ZN01
8	4	2	①

Draw Circle

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

DIGIT VALUE	DATA ENTRY
8 4 2 1	Blank (•)
8 4 2 ①	1
8 4 ② 1	2
8 4 ② ①	3
8 ④ 2 1	4
8 ④ 2 ①	5
8 ④ ② 1	6
8 ④ ② ①	7

DIGIT VALUE	DATA ENTRY
⑧ 4 2 1	8
⑧ 4 2 ①	9
⑧ 4 ② 1	0
⑧ 4 ② ①	B
⑧ ④ 2 1	C
⑧ ④ 2 ①	D
⑧ ④ ② 1	E
⑧ ④ ② ①	F

4. ***Enter data*** in address locations (left and right digits). Press [Enter] to save.

ADDRESS LOCATION		
L	ADDR	R
blank (•)	0490	1

NOTE: Dark shaded boxes = option not available. See Direct Address Programming Example page 22.

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

Number of RF Receivers	ADDRESS 2056 LEFT	ADDRESS 2056 RIGHT
	blank (•)	

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

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

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

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

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

☞ 3. Press [ENTER] to save.

RF SUPERVISORY TIMER	RF TRANSMITTER	ADDRESS 2029-2036 LEFT	ADDR	RIGHT
Type 0	Window/Door, 2 Pt.	blank (•)	2029	
Type 1	Window/Door, 2 Pt.	blank (•)	2030	
Type 2	Window/Door, 2 Pt.	blank (•)	2031	
Type 3	Window/Door, 2 Pt.	blank (•)	2032	
Type 4	RESERVED	blank (•)	2033	
Type 5	PIR	blank (•)	2034	
Type 6	PIR	blank (•)	2035	
Type 7	Smoke Detector	blank (•)	2036	

RF SUPERVISORY TIMER	RF TRANSMITTER	ADDRESS 2037-2044 LEFT	ADDR	RIGHT
Type 8	Smoke Detector	blank (•)	2037	
Type 9	RESERVED	blank (•)	2038	
Type A	Dual Tech.	blank (•)	2039	
Type B	RESERVED	blank (•)	2040	
Type C	Window/Door, 4 Pt.	blank (•)	2041	
Type D	PIR	blank (•)	2042	
Type E	Smoke Detector	blank (•)	2043	
Type F	Napco Glass Break	blank (•)	2044	

[Default = blank (•) blank (•) from address 2029-2044]

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

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

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

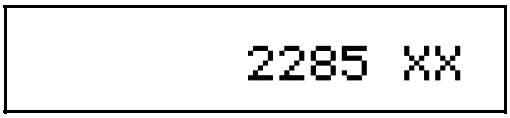
☞2. Enter in corresponding address locations above right digit only (left digit is not used).

☞3. Press [ZONE-ZONE] to save.

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

CLEAR PROGRAM OPTIONS (ADDRESS 2285 & 2286)

GEM-RP1CAe2 Keypad



GEM-RP2ASe2 Keypad

Clear Dealer Program (Erases Dealer Program)

WARNING

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

Access address 2285, then press the [ENTER] button. Data entry is not allowed.

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

GEM-RP1CAe2 Keypad

GEM-RP2ASe2 Keypad

Cold Start (Erases Entire Program)

WARNING

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

Access address 2286, then press the [ENTER] button. Data entry is not allowed.

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

USER PROGRAM MODE

PRELIMINARY INFORMATION

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

- ☞ 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 [ENTER] button. *Data will not be stored into memory unless this button is pressed.*
- ☞ If the keypad is in the Program Mode and no activity is detected for longer than 4 minutes, a steady tone will sound.
- ☞ Press the [RESET] button to silence the sounder and exit the User Program Mode.

Use the [MENU] button to manually scroll the display at the end of each programming line.

ACCESSING USER PROGRAM MODE

1. Press [ ][ ][ ][ ][ ][ ] [MENU]

New Panel (Default User Code = 123)

Existing Panel (Any Code with User Program Option Enabled)

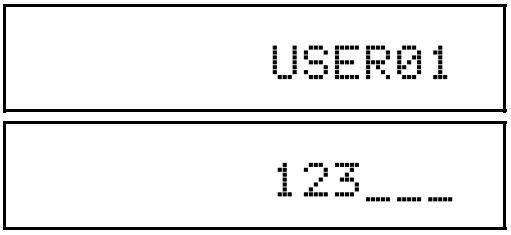
2. Press [AWAY] **Until "TURNON PROG Y/N" (GEM-RP2ASe2/GEM-K2AS) or "?1" (GEM-RP3DGTL/GEM-K3DGTL or GEM-RP4RFC/GEM-K4RF) appears on the LCD screen.**

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

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

USER CODES

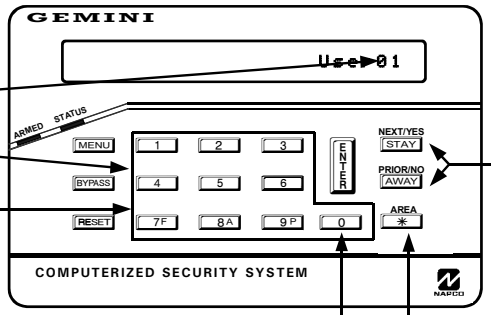
GEM-K2AS Keypad



(Direct Entry)

To Program User Codes

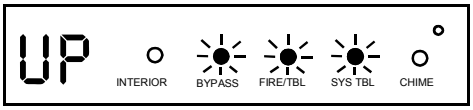
1. Enter 2-digit User Number (01-16) directly using number buttons (0-9).
2. Press the [MENU] button.
3. Enter Code (1-6 digits) directly using number buttons (0-9).
4. Press the [#/ENT] button to save each code.



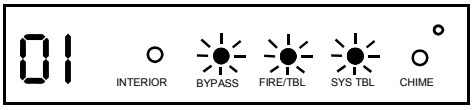
NOTE: Press [✳] [0] button to clear character at cursor.
To continue press [STAY] or [AWAY] button.

Programming User Codes with GEM-K2AS Keypad

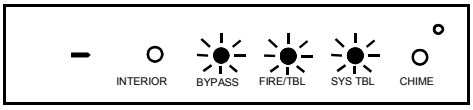
GEM-K3DGTL Keypad



User Program Mode



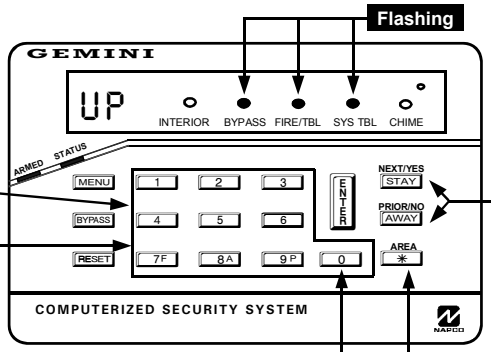
User Number



User Code (Direct Entry)

To Program User Codes

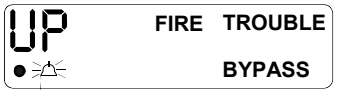
1. Enter 2-digit User Number (01-16) directly using number buttons (0-9).
2. Press the [MENU] button.
3. Enter Code (1-6 digits) directly using number buttons (0-9).
4. Press the [#/ENT] button to save each code.



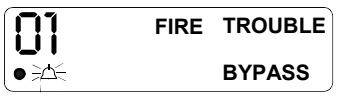
NOTE: Press [✳] [0] button to clear character at cursor.
To continue press [STAY] or [AWAY] button.

Programming User Codes with GEM-K3DGTL Keypad

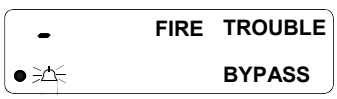
GEM-K4RF Keypad



User Program Mode



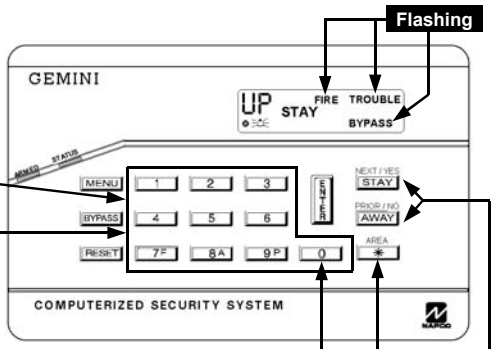
User Number



User Code (Direct Entry)

To Program User Codes

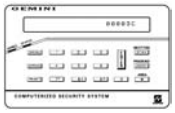
1. Enter 2-digit User Number (01-16) directly using number buttons (0-9).
2. Press the [MENU] button.
3. Enter Code (1-6 digits) directly using number buttons (0-9).
4. Press the [#/ENT] button to save each code.



NOTE: Press [✳] [0] button to clear character at cursor.
To continue press [STAY] or [AWAY] button.

Programming User Codes with GEM-K4RF Keypad

KEYPAD CONFIGURATION MODE



This section will focus on configuring the GEM-RP2ASe2/GEM-K2AS, GEM-RP3DGTL/GEM-K3DGTL and GEM-RP4RFC/GEM-K4RF Keypads. For ease of programming, it is recommended that a GEM-RP1CAe2 or a GEM-K1CA be selected (see WI995 for Programming Instructions using the GEM-RP1CAe2 or GEM-K1CA keypads).

KEYPAD INSTALLATION

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

GEM-RP2ASe2/GEM-K2AS - are utility LCD keypads combining several preset LCD words with a limited message line. **NOTE:** Due to space constraints, available messages are abbreviated and will scroll automatically.

CONFIGURING THE KEYPADS

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

Up to 7 GEM-RP2ASe2/GEM-K2AS, GEM-RP3DGTL/GEM-K3DGTL and/or GEM-RP4RFC/GEM-K4RF keypads may be connected to the panel (Keypads 1–7). Each must be configured for a keypad address. In addition, the keypad may be configured to disable (a) 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	KEYPAD ADDRESS SETTING			
NUMBER	1	2	3	PARK
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**	

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).

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

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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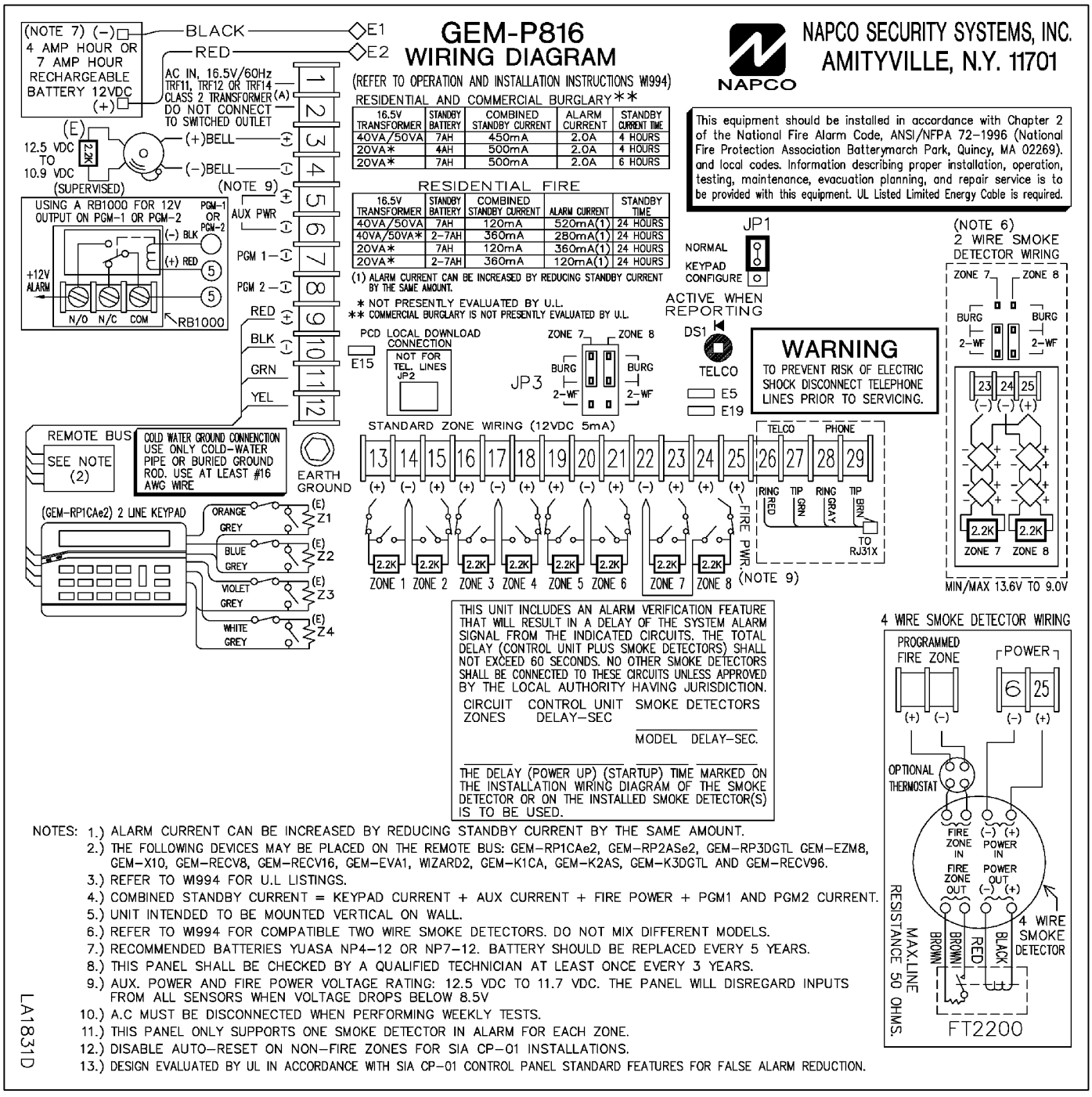
GEM-P816 WIRING DIAGRAM



Smoke Detector Compatibility Identifier GEM-P816