

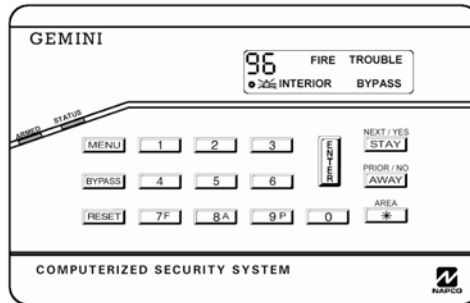


PROGRAMMING INSTRUCTIONS

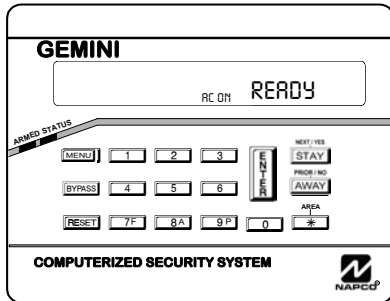


GEM-P1632 CONTROL PANEL/COMMUNICATOR

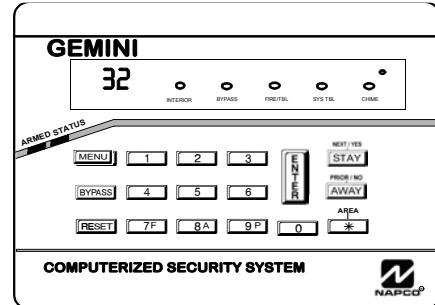
Programming the GEM-P1632 Control Panel with the "Classic" GEM-RP2ASe2, GEM-RP3DGTL, and GEM-RP4RFC/GEM-RP4C Keypads and the "K Series" GEM-K2AS, GEM-K3DGTL, and GEM-K4/GEM-K4RF Keypads



"K Series" GEM-K4/GEM-K4RF



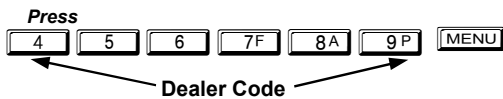
"K Series" GEM-K2AS



"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 (WI808).
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 NO until "TURN ON 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 (WI808).
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 NO until "17" appears on the keypad display.

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

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

CHANGES FROM PREVIOUS EDITION






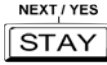
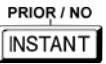

The following changes have been made to this manual (W11148B) since the previous edition (W11148A):

- Added new feature to address 2054 bit 2 (option 3) "TCP/IP Panel/Site Initiated Functions" on page 29.
- Added new feature to addresses 0461, 0483 and 0505 bit 6 (option 7) "Enable TCP/IP AES RPT" on page 30.

IMPORTANT NOTE

This manual supports the keypad programming of the GEM-P1632 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  button and the  button operate identically (in Program Mode) for both keypads.
- The  button and the  button operate identically (in Program Mode) for both keypads.
- The  button and the  button operate identically (in Program Mode) for both keypads. The words "NEXT/YES button" are used in this manual.
- The  button and the  button operate identically (in Program Mode) for both keypads. The words "PRIOR/NO button" are used in this manual.

 **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.**



NAPCO Security Systems, Inc.
333 Bayview Avenue, Amityville, New York 11701
For Sales and Repairs, call toll free: (800) 645-9445
For direct line to Technical Service, call toll free: (800) 645-9440
Internet: <http://www.napcosecurity.com>

TABLE OF CONTENTS

SYSTEM PROGRAMMING OPTIONS	4	CS USER REPORTING OPTIONS	35
<i>Introduction</i>	4	EZM GROUP OPTIONS	36
<i>Downloading From a Computer</i>	4	AREA ARMING OPTIONS	36
EASY MENU DRIVEN PROGRAM MODE	5	AREA BELL CONTROL OPTIONS	37
<i>Dealer Program - Preliminary Information</i>	5	KEYPAD OPTIONS	41
<i>Accessing Dealer Program Mode</i>	5	TEMPERATURE DISPLAY AT KEYPAD	42
<i>Customizing a Default Program</i>	5	ZONE OPTIONS - ZONES 1 TO 16	43
Easy Program Menu:		ZONE OPTIONS - ZONES 17 TO 32	44
<i>GEM-RP2ASe2/GEM-K2AS KEYPAD</i>	6	EXTERNAL RELAY CONTROL	47
<i>GEM-RP3DGTL/GEM-K3DGTL and</i>		RF RECEIVER & SUPERVISORY TIMER OPTIONS	50
<i>GEM-RP4RFC/GEM-K4RF KEYPAD</i>	13	CLEAR PROGRAM OPTIONS	51
DIRECT ADDRESS PROGRAM MODE	20	USER PROGRAM MODE	51
<i>Keypad Programming Overview</i>	20	Preliminary Information	51
<i>Accessing Direct Address Program Mode</i>	20	Accessing User Program Mode.....	51
<i>Keypad Address Program Mode Display</i>	21	User Codes.....	52
<i>Direct Address Program Mode Keypad Commands</i>	21	KEYPAD CONFIGURATION MODE	53
<i>Direct Address Programming Example</i>	22	Keypad Installation.....	53
<i>Conventions Used in this Manual</i>	23	Configuring the Keypads.....	53
SYSTEM DELAYS & TIMEOUTS	24	ALPHABETICAL INDEX	54
SYSTEM OUTPUT TIMEOUTS	25	ADDRESS NUMBER LOCATION INDEX	59
DOWNLOAD/CALLBACK OPTIONS	25	GEM-P1632 WIRING DIAGRAM	64
PAGER FORMAT OPTIONS	25		
SYSTEM OPTIONS	26		
GLOBAL AMBUSH CODE	26		
SYSTEM OPTIONS	27		
CS RECEIVER OPTIONS	30		
CS SUBSCRIBER ID OPTIONS	31		
CS SYSTEM REPORTING OPTIONS	32		
CS AREA & SYSTEM REPORTING OPTIONS	32		
CS ZONE REPORTING OPTIONS	33		
CS USER REPORTING OPTIONS	34		

Refer to accompanying GEM-P1632 Installation Instructions (WI808) for installation information.

NOTE: THESE PROGRAMMING INSTRUCTIONS ARE INTENDED AND WRITTEN FOR THE PROFESSIONAL INSTALLER HAVING SUITABLE EXPERIENCE AND INSTALLATION EQUIPMENT. THE UNIT IS DESIGNED TO BE PROGRAMMED USING AN IBM-COMPATIBLE COMPUTER WITH NAPCO 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-P1632 control panel may be programmed by various means, each of which will be covered in detail in the sections that follow. Keypad displays shown 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 WI897).

- ✓ **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, panel zone doubling, number of fire zones (both 4-wire and 2-wire), local or Central Station reporting, number of exit/entry zones, number of interior zones, number of 24 hour zones, number of chime zones, Chime 2 zones, Exit/Entry2 zones, 50ms loop response zones (**Note: 750mS is required for Loop Response time in UL installations**), aux output activated on alarm zones, sensor watch zones, keypad sounder on alarm zones, auto bypass re-entry zones, EOLR zones, number of keypads in area 1, 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 **YES** 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 . 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  button. **Data will not be stored into memory unless  is pressed.**
-  If the keypad is in the Program Mode and no activity is detected for longer than 4 minutes, a steady tone will sound.
-  Silence the sounder by the button to continue, or by pressing the button to exit.
-  When programming a Multiple Area System, Direct Address Programming Mode must be used to complete the program.

ACCESSING DEALER PROGRAM MODE

1. Press

↙ 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 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:

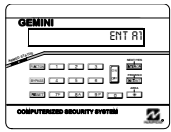
- Number of Zones in Area 1
- Panel Zone Doubling
- Fire Zones in Area 1
- 2-Wire Fire Zones in Area 1
- Local or Central Station Reporting System
- Exit/Entry Zones in Area 1
- Interior Zones in Area 1
- 24 Hour Zones in Area 1
- Chime Zones in Area 1
- Chime 2 Zones in Area 1
- Exit/Entry2 Zones in Area 1
- 50mS Loop Response Zones (Note: 750mS is required for Loop Response time in UL installations)
- 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 button to enter the Direct Address Program Mode; (b) access Location 2285 (Clear Program); (c) press the  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, [NEXT/YES] 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 32. Directly enter the total number of zones, including leading zeros. Use number buttons [1] through [9P]. **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 [NEXT/YES] to save. Press the NEXT/YES button to proceed. **NOTE:** If you are programming a 2 Area

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

Zn Dbl1

Enabl?

Y/N

(Press YES or NO)

Panel Zone Doubling (Appears for New Panel Only)

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

Ent Fr

Zn#XX

(Direct Entry)

Fire Zones in Area 1 (Appears for New Panel Only)

Enter the zone number of any zones which are to be used as Fire Zones (both 2-wire, 4-wire or wireless). Valid entries are from 01 to 32. Directly enter each zone number, including leading zeros, and press [NEXT/YES] to save, and then repeat for any additional zone(s). Press NEXT/YES button to proceed.

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

Ent2WF

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 [NEXT/YES] 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 32. Directly enter each zone number, including leading zeros. Use number buttons [1] through [9P].





NOTE: Press the [0] button for a zero. Press [NEXT/YES] to save and then repeat for any additional zone(s). Press the NEXT/YES button to proceed.

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

EntFol1
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 32. Directly enter each zone number, including leading zeros. Use number buttons  through . **NOTE:** Press  for a zero. Press  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. If you are programming a multiple Area system, enter the total number of zones required for Areas 1 & 2. The Direct Address Program Mode can then be used to remove zones from Area 1 and place them in Area 2. See Zone Options.


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

Ent24H
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 32. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s), press the NEXT/YES button to proceed.

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

EntCZ1
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 32. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s), Press the NEXT/YES button to proceed.

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

EntCZ2
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 32. Directly enter each zone number, including leading zeros.
- Press  to save and repeat for any additional zone(s); press the NEXT/YES button to proceed.

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

EntEE2
Zn#XX

(Direct Entry)


50 mS 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  to save and then repeat for any additional zone(s), Press the NEXT/YES button to proceed.

Ent50m
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 32. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s), Press the NEXT/YES button to proceed.

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

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

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

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


EntKPS
Zn#XX

(Direct Entry)



EntAUB

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 32. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s), press the NEXT/YES button to proceed.
- Auto Bypass Re-entry Zones allow the system to be armed with the zone faulted but come back into the system (armed) when the zone is subsequently secured.

Zn#XX

(Direct Entry)

EnNEOL

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.

Y/N

(Press YES or NO)

Telco

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.

Ln Fit

Y/N

(Press YES or NO)

KF Out

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.

Chirp

Y/N

(Press YES or NO)

Enable

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 WI808, "Installer Programming Quick Reference Chart SIA False Alarm Reduction" and "GEM-P1632 Factory Default Description" for more information. **NOTE:** Do not enable unless reporting, otherwise system trouble *Fail to Communicate* may occur.



CP01?



Y/N

(Press YES or NO)

Ent A1

Number of Keypads in Area 1

Directly enter the total number of Keypads to be installed in Area 1. Valid entries are from 01 to 07. Directly enter the number of keypads, including leading zeros. Use number buttons  through . **NOTE:**











Press  for a zero. Press  to save. Press the NEXT/YES button to proceed. **NOTE:** Area 2, 3 or 4 keypads can only be assigned in Direct Address Programming. See Keypad Options.

#KP 01

(Direct Entry)

Phone#

Central Station Receiver 1 Telephone Number

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





Acc #

[_ _ _]

(Direct Entry)

Central Station Receiver 1 Account Number

Enter an account number of up to four digits. Use number buttons  through  for digits 1–9.

NOTE: Press the   buttons for a zero and press  for a blank space (*). Press  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.





RecFmt





()

(Direct Entry)

Central Station Receiver 1 Format

From the table below, enter the central station's receiver format. Use number buttons  through .

NOTE: Press the   buttons for a zero and press  for a blank space (*). Press 

 through   for letters B–E, respectively. Press  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







User01


_ _ _ _ _


(Direct Entry)

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

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

Press  once to set the cursor to the User Code. Use the number buttons  through  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  for a zero and press   for a blank space (*). No blank spaces in between; leave blank (*) any trailing boxes. If

“Enable Global Ambush Code” (Address 0720) is enabled and “Global Ambush Code” (Address 1054) is **not** left blank(*), *do not* program the first two digits of ANY User Code the same as the “Global Ambush Code”. **Note:** If the programmed code was less than 6 digits, press  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  is pressed.

OPT _ _

(Direct Entry)

ACC _ _

(Direct Entry)

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

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



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

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

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

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

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

Press **SAVE** 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 **SAVE** to save. Similarly, to cancel a code, blank out each number of the code press **SAVE** to save.

Zn# 01

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

000000

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

For each transmitter (keyfob transmitters also), enter the **zone number** (01–32) to which the transmitter will be mapped, the **6-digit RF ID #:1-digit checksum number** printed on the transmitter and box, the **point number** (1 or 2); enter "9" for unsupervised (all points). **NOTE:** When programming the ID Code number, "0" through "9" = **0** through **9P**; "A" = ***** **0**; "B" = ***** **1**; "C" =

:0 Pt

***** **2**; "D" = ***** **3**; "E" = ***** **4** and "F" = ***** **5**. Press **SAVE** to

save. Press the NEXT/YES 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)

9P * 3

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 (0 to disable keyfob, 1 or 2). Press **0**, **1** and **2** for 0, 1 and 2, respectively.

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

☞ 1-digit checksum number printed on the transmitter.

☞ **Aux 1 Option** (see 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 **SAVE** to save. Press the NEXT/YES button to proceed. **NOTE:** Keyfobs 1-8 report openings and closings as Users 25-32.

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 32 keyfobs (using 1 button) or 16 keyfobs (using 2 buttons) or 8 keyfobs (using all 4 buttons) or any combination up to a maximum of 32 controlled zones can be assigned, providing multiple wireless panic buttons on a system, each reporting to a Central Station or a pager and/or annunciating on a keypad the 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 WI897) 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 **SAVE** to save. Re-enter the Dealer Code to verify the previous code. Press **SAVE** 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/E09-00 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)

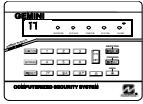
Cold Start (Erases Entire Program)

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-RP3DGT/GEM-K3DGT 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-RP3DGT/GEM-K3DGT (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 **[NEXT]** to save), press **[MENU]** until the 2-digit question number flashes in the display again. If the data is correct, press **[NEXT]** 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 **[MENU]**.

Flashing



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 32. Directly enter the total number of zones, including leading zeros. Use number buttons **[1]** through **[9P]**.

NOTE: Press the **[0]** button for a zero. The system is based on groups of 4 zones each (after the first 8 zones), and will automatically round up to the next group of 4. For example, if you enter 13, it will automatically convert this to 16 zones. Press **[NEXT]** to save. Press the NEXT/YES button to proceed.



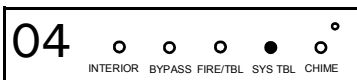
(Direct Entry)



(Press YES or NO)

Panel Zone Doubling *(New Program Only)*

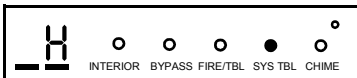
- To double the number of hardwired panel zones from 8 to 16, press the NEXT/YES button.
- If Panel Zone doubling is not desired, press the PRIOR/NO button.
- The 16 zones will remain EOL terminated zones, requiring Normally Closed devices only.
- Refer to Wiring Diagram and Installation Instructions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



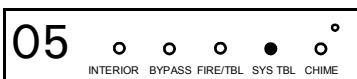
Fire Zones *(Appears for New Panel Only)*

Enter the zone number of any Fire Zones (both 2-wire, 4-wire or wireless). Valid entries are from 01 to 32. Directly enter each zone number, including leading zeros, and press **[NEXT]** to save, and then repeat for any additional zone(s). Press the NEXT/YES button to proceed.

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

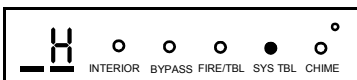


(Direct Entry)

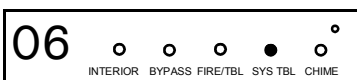


2-Wire Fire Zones *(Appears for New Panel Only)*

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 **[NEXT]** 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).



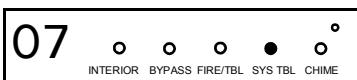
(Direct Entry)



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).

(Press YES or NO)

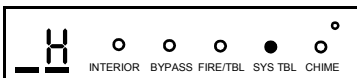


Exit/Entry Zones *(Appears for New Panel Only)*

Directly enter the zone numbers which are to be used as Exit/Entry zones. Valid entries are from 01 to 32. Directly enter each zone number, including leading zeros. Use number buttons **[1]** through **[9P]**.

NOTE: Press the **[0]** button for a zero. Press **[NEXT]** 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)





(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 32. Directly enter each zone number, including leading zeros. Use number buttons



through . **NOTE:** Press the button for a zero. Press to save and then repeat for any additional zone(s). Press 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 32. Directly enter each zone number, including leading zeros.
- Press to save and repeat for any additional zone(s); press the NEXT/YES button to proceed.



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

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



(Direct Entry)

Chime 2 Zones in Area 1 (New Program Only)

- Enter the zone numbers which are to be used as Chime 2 Zones.
- Valid entries are from 01 to 32. Directly enter each zone number, including leading zeros.
- Press to save and then repeat for any additional zone(s), Press the NEXT/YES button to proceed.

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

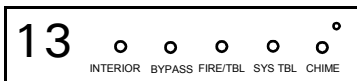


(Direct Entry)

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

- Enter the zone numbers of zones to be used as Exit/Entry zones.
- Valid entries are from 01 to 32. Directly enter each zone number, including leading zeros.
- Press to save and repeat for any additional zone(s); press the NEXT/YES button to proceed.

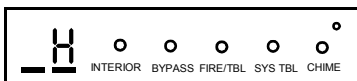
NOTE: An Exit/Entry 2 Entry Time of 30 sec. will automatically be programmed.



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

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





Sensor Watch Zones (New Program Only)

- Enter the zone numbers of zones to be Sensor Watch zones.
- Valid entries are from 01 to 32. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s), press the NEXT/YES button to proceed.


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



(Direct Entry)

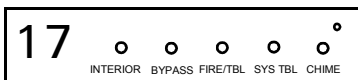


Keypad Sounder On Alarm Zones (New Program Only)


- Enter the zone numbers of all zones to activate the Keypad Sounder upon alarm.
- Valid entries are from 01 to 32. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s), press the NEXT/YES button to proceed.

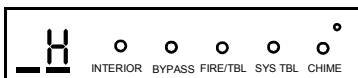


(Direct Entry)



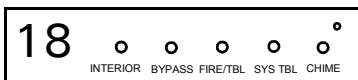
Auto Bypass Re-entry Zones (New Program Only) (Not evaluated by UL)

- Enter the zone numbers of zones to be Auto Bypass Re-entry zones.
- Valid entries are from 01 to 32. Directly enter each zone number, including leading zeros.
- Press  to save and then repeat for any additional zone(s), press the NEXT/YES button to proceed.



(Direct Entry)

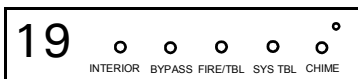
- Auto Bypass Re-entry Zones allow the system to be armed with the zone faulted but come back into the system (armed) when the zone is subsequently closed.



Enable No EOLR Zones (New Program Only)

- Press 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.

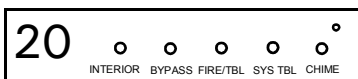
(Press YES or NO)



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)

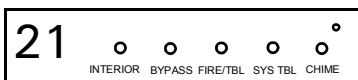


Enable Burg Output Chirp on KeyFob?

- 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)

(Press YES or NO)



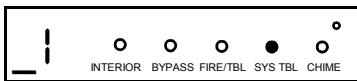
Enable SIA CP-01?

- 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 [9P]. **NOTE:** Press [0] for a zero. Press [SAVE] to save. Press the NEXT/YES button to proceed.



(Direct Entry)

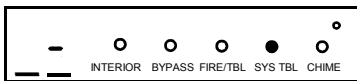


Central Station Receiver 1 Telephone Number

Using number buttons, enter telephone number of up to 16 digits including prefix letters, if necessary, for receiver 1. Use number buttons [1] through [9P] 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 [SAVE] 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.

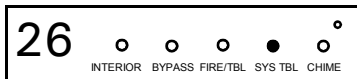


(Direct Entry)

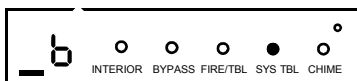


Central Station Receiver 1 Account Number

Enter an account number of up to four digits. Use number buttons [1] through [9P] for digits 1–9. **NOTE:** Press the [0] button for a zero and press the [*] [0] buttons for a blank space (*). Press [SAVE] 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 [9P]. **NOTE:** Press the [0] button for a zero and press [*] [0] for a blank space (*). Press [*] [1] through [*] [4] for letters B–E, respectively. Press [SAVE] to save. Press the NEXT/YES button to proceed.

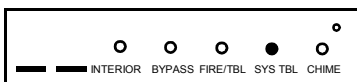
DATA ENTRY	CS RECEIVER 1 FORMAT
blank(*)	Ademco Slow, Silent Knight Slow
1	Sescoa, Vertex, DCI, Franklin Fast
2	Radionics Fast
3	Silent Knight Fast
4	Radionics, DCI, Franklin Slow
5	Universal High Speed
8	Radionics BFSK

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 32 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 [9P] 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	AREA 2 OPTIONS						

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

USER OPTIONS: Area 1 and 2 options for 32 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]** **[9P]** (User Area 1 options), **[0]** **[0]** (User Area 2 Options), and **[BYPASS]** (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 **[BYPASS]** to save. Similarly, to cancel a code, blank out each number of the code and press **[BYPASS]** to save. **Note:** Duplicate User Codes are not allowed; therefore a duplicate Code entered in the LCD Window will erase when **[BYPASS]** 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 (01–32) to which the transmitter will be mapped, the 6-digit RF ID#: 1-digit checksum number printed on the transmitter and box, the point number (1 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.
- [BYPASS]** Transmitter 410078:1, point 1 will be mapped to Zone 11.
- [BYPASS]** Transmitter 410078:1, point 2 will be mapped to Zone 12.
- [BYPASS]** Transmitter 410078:1, point 3 will be mapped to Zone 13. The keypad will now display Zone 13, the last zone enrolled.

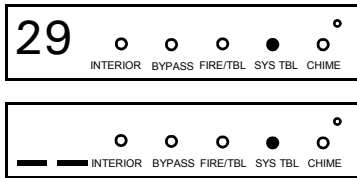
Example 2. A 2-point transmitter has the RF ID number 287613:1. Map point 1 to Zone 6 and point 2 to Zone 9.

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).

GEM-RP3DGT/L/GEM-K3DGT/L AND GEM-RP4RFC/GEM-K4RF Easy Menu Driven Program Mode



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 or 2); 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 25-32.

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).

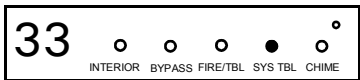
Each of the 4 keyfob buttons can be assigned to a zone. For example, On button = point 1; Off button = point 2; A1 = point 3; A2 = point 4. Up to 32 keyfobs (using 1 button) or 16 keyfobs (using 2 buttons) or 8 keyfobs (using all 4 buttons) or any combination up to a maximum of 32

controlled zones can be assigned, providing multiple wireless panic buttons on a system, each reporting to 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.*

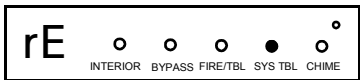
TIME ENTRY: GEM-K3DGTL cannot be used to enter the time. To enter Time, you must use the *GEM-K1CA Keypad (Version 5 or later) or the Napco Quickloader Software.*




Dealer Code



Directly enter the Dealer Code, including leading zeros. Use the  through  buttons.





NOTE: Press  for a zero. Press  to save.



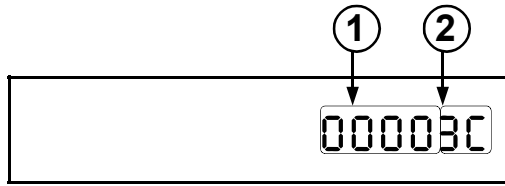
(Direct Entry)

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

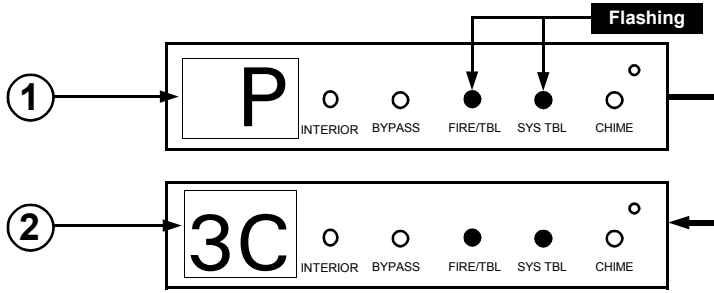
EXIT DEALER PROGRAM MODE: This completes the custom default program. Press  to enter the Direct Address Program Mode for further programming or press  once again to end all programming and resume normal keypad operation.

CLEAR PROGRAM: Should it be necessary to create a new custom default program, (a) from the Dealer Program Mode, press  to enter the Address Program Mode; (b) access Location 2285 (Clear Program) or 2286 (Cold Start); (c) press  and then (d) press  to exit the Dealer Program Mode. A System Trouble Condition will occur. Press  to silence the keypad.

KEYPAD ADDRESS PROGRAM MODE DISPLAY

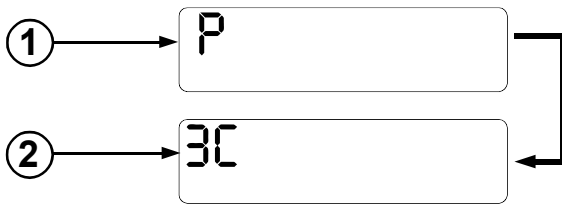


GEM-RP2ASe2/GEM-K2AS Keypads



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

GEM-RP3DGTL/GEM-K3DGTL Keypads



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

GEM-RP4RFC/GEM-K4RF Keypads

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

DIRECT ADDRESS PROGRAM MODE KEYPAD COMMANDS

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

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

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

To exit, press **RESET**.

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

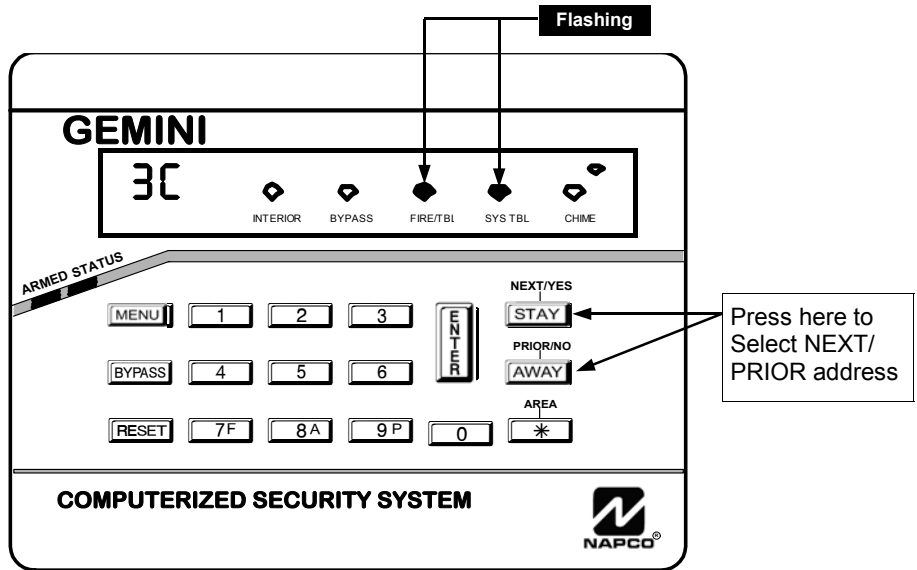
* Press *** 0** through *** 5** for 10-15, respectively.

DIRECT ADDRESS PROGRAM MODE

B. GEM-K3DGTL/GEM-RP3DGTL Keypads

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

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



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

DIRECT ADDRESS PROGRAM MODE

Example: 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  . To program 11 through 15, press   through  , 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		•
8	4	2	①	1		1
8	4	②	1	2		2
8	4	②	①	3		3
8	④	2	1	4		4
8	④	2	①	5		5
8	④	②	1	6		6
8	④	②	①	7		7
⑧	4	2	1	8		8
⑧	4	2	①	9		9
⑧	4	②	1	10	 	0
⑧	4	②	①	11	 	B
⑧	④	2	1	12	 	C
⑧	④	2	①	13	 	D
⑧	④	②	1	14	 	E
⑧	④	②	①	15	 	F

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

DIRECT ADDRESS PROGRAM MODE

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

EXIT DELAY (sec.)	ADDRESS 0000	
	LEFT	RIGHT

[Default = 3 C]

ENTRY DELAY 1 (sec.)	ADDRESS 0001	
	LEFT	RIGHT

[Default = 1 E]

ENTRY DELAY 2 (sec.)	ADDRESS 0002	
	LEFT	RIGHT

[Default = 1 E]

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

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

ABORT DELAY (sec.)	ADDRESS 1417	
	LEFT	RIGHT

[Default = 1 E]

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

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

$$\begin{array}{r} 16 \overline{) 20} \\ \underline{-16} \\ 4 \end{array}$$

① Quotient → Left Digit
④ Remainder → Right Digit

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

Sensor Watch Time (Hrs.)	ADDRESS 2050	
	LEFT	RIGHT

[Default = 24 HRS = 1 8]

Report Cancel Window (min.)	ADDRESS 2055	
	LEFT	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 (%sec.)	ADDRESS 1418	
	LEFT	RIGHT

[Default = 2 sec. = blank (*) 8]

AC Fail Report Delay (min.)	ADDRESS 1419	
	LEFT	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	TIMEOUT	
LEFT	RIGHT	
blank (*)	blank (*)	(0) ¼sec. = 0 sec.
blank (*)	2	(2) ¼sec. = ½ sec.
blank (*)	3	(3) ¼sec. = ¾ sec.
blank (*)	4	(4) ¼sec. = 1 sec.
blank (*)	5	(5) ¼sec. = 1.25 sec.
blank (*)	6	(6) ¼sec. = 1.5 sec.
blank (*)	7	(7) ¼sec. = 1.75 sec.
blank (*)	8	(8) ¼sec. = 2 sec.
F	F	(255) ¼sec. = 63.25

AC FAIL REPORT DELAY OPTIONS		
DATA ENTRIES	TIMEOUT	
LEFT	RIGHT	
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.

PROGRAMMING STEPS:

- Lookup desired Programming Option by Address Location (highlighted in black).
- Select the programming option data entry from the tables shown.
- Enter the selected data entry in the boxes shown.
- For more information on a programming option refer to the Glossary at the end of this manual.

- Select delay/timeout from the table shown.
- Enter in corresponding address locations above (left and right digits).
- For a desired delay/timeout not listed do the following:
 - Choose a desired delay/timeout, ex: 20
 - Divide it by 16
- Press to save.

$$\begin{array}{r} 16 \overline{) 20} \\ \underline{-16} \\ 4 \end{array}$$

① Quotient → Left Digit
④ Remainder → Right Digit

DIRECT ADDRESS PROGRAM MODE

SYSTEM OUTPUT TIMEOUTS (ADDRESS 1412 & 1414-1416)

PGM2 Output	ADDRESS 1412	
	LEFT	RIGHT
Timeout (min.)		

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

Alarm Output	ADDRESS 1414	
	LEFT	RIGHT
Timeout (min.)		

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

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

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

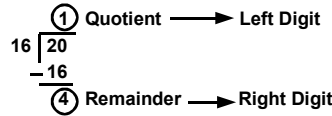
PGM1 Output	ADDRESS 1416	
	LEFT	RIGHT
Timeout (min.)		

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

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

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

4. Press  to save.



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

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

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

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

NUMBER OF RINGS BEFORE PICKUP: Enter the number of rings before automatic pickup by the control panel when downloading from a computer (see installation instructions WI808 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  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 WI808 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  .
3. Valid entries are: 1-9, B =  button, C =  button, D = 3 sec. pause, E = Wait for dial tone, F = ignore location.
4. Press  to save.


PAGER FORMAT OPTIONS (ADDRESS 0546 & 0547)

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

Leading Digits for Pager Format (2nd Digit)	ADDRESS 0547	
	LEFT	RIGHT
	blank (*)	



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

LEADING DIGITS FOR PAGER FORMAT: In Pager Format reporting, the message typically begins with "00". However, for some pager services, this will cause the Pager's Voice Mail feature to activate. This option allows you to program these digits to any number desired. 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  to save.

DIRECT ADDRESS PROGRAM MODE



SYSTEM OPTIONS (ADDRESS 0836-0871 & 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.

SYSTEM RESPONSE ACTIVATED BY AREA 2 EVENT/TROUBLE	AREA 2 SYSTEM EVENT/TROUBLE LEFT DATA VALUES (CIRCLE )				ADDRESS 0864-0871			AREA 2 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		0864		8	4	2	1
Alarm Output	8	4	2	1		0865		8	4	2	1
PGM1 Output	8	4	2	1		0866		8	4	2	1
PGM2 Output	8	4	2	1		0868		8	4	2	1
Report Event Telco 1	8	4	2	1		0869		8	4	2	1
Report Event Telco 3	8	4	2	1		0871		8	4	2	1


[Default = blank (*) blank (*) from address 0864-0871] * 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  to save.

Global Ambush Code	ADDRESS 2045	
	LEFT	RIGHT

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

GLOBAL AMBUSH CODE: It is the 2-digits entered immediately prior to the regular disarm code. If "Enable Global Ambush Code" (Address 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.

1. Enter in address location (both left and right digits) ; valid entries are 1-9.
2. Press  to save.

DIRECT ADDRESS PROGRAM MODE

THIS PAGE INTENTIONALLY LEFT BLANK



SYSTEM OPTIONS (ADDRESS 1420-1424)

DIRECT ADDRESS PROGRAM MODE

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 ^s	8

ADDRESS 1422	
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)

[Default = blank (*) blank (*)]
^sThis feature must be programmed in Fire Alarm applications.

RIGHT DATA VALUES (CIRCLE)	SYSTEM OPTIONS
1	Interior Normally Bypassed
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	Enable Zone Doubling (Zones 9-16)
2	Wireless Trouble Activates Telco 1
4	Wireless Trouble Activates Telco 3
8	Enable Alarm Output on Telco Fail only when Armed

[†]NOTE: Not for UL Installations.

For Address 1423: Default depends on Easy Menu Question "EZ ZONE DOUBLING? Y/N". If yes, then [Default = *(blank) 1]. If no, then [Default = *(blank) *(blank)].

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

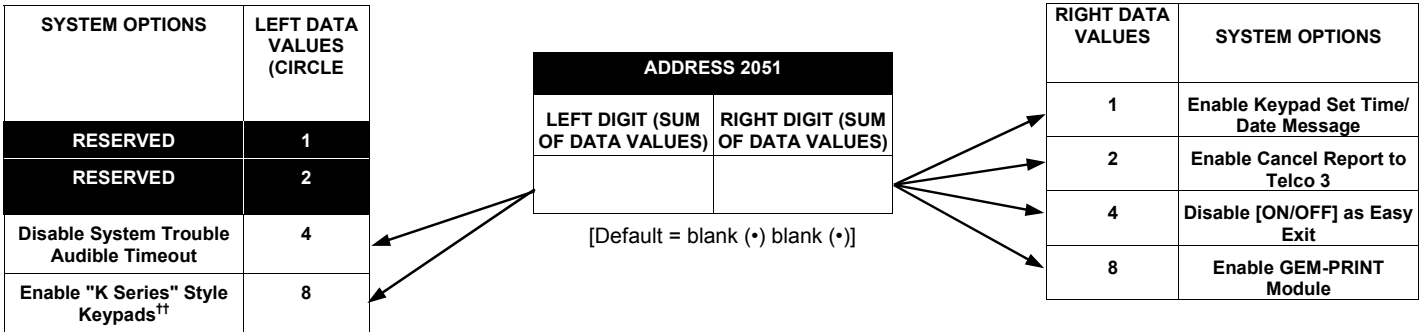
1. Select the desired option by circling the data values for each digit (left and right).
2. Add the data values (ex: F=15=(1+2+4+8)) from the selected options. See page 23).
3. Enter in address location (left and right digits). **NOTE:** Dark shaded data value box shows option not available.
4. Press to save.

***NOTE: Address 1423:** Default depends on Easy Menu Question "EZ ZONE DOUBLING? Y/N". If yes, then [Default = 1]. If no, then [Default = blank (*)].

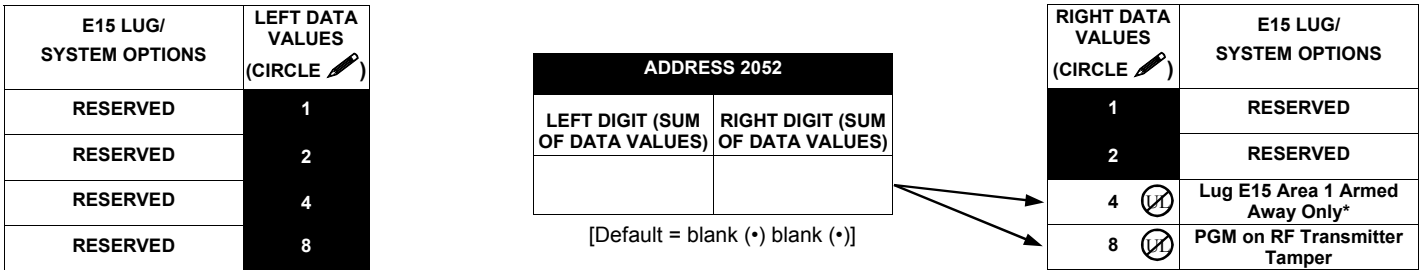
****NOTE:** To select "Line-Fault Test only when Armed", you must also select "Enable Line-Fault Test" at address 1423.

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

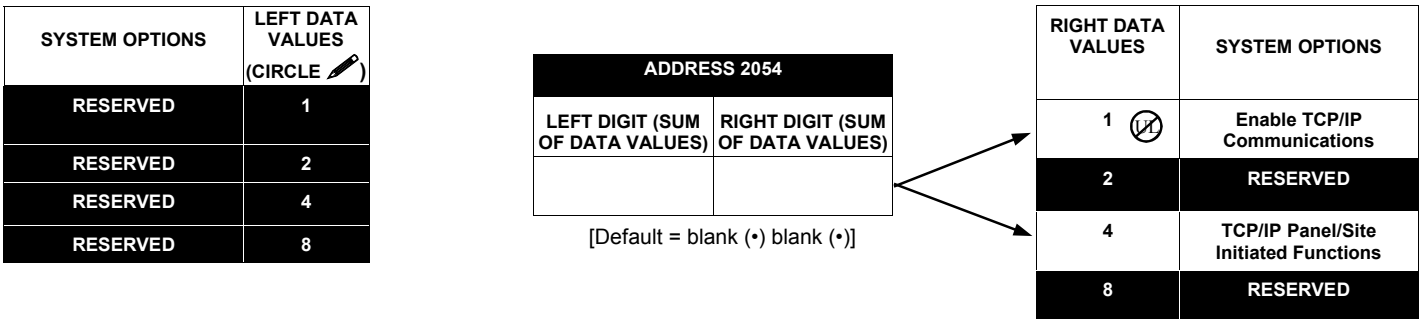
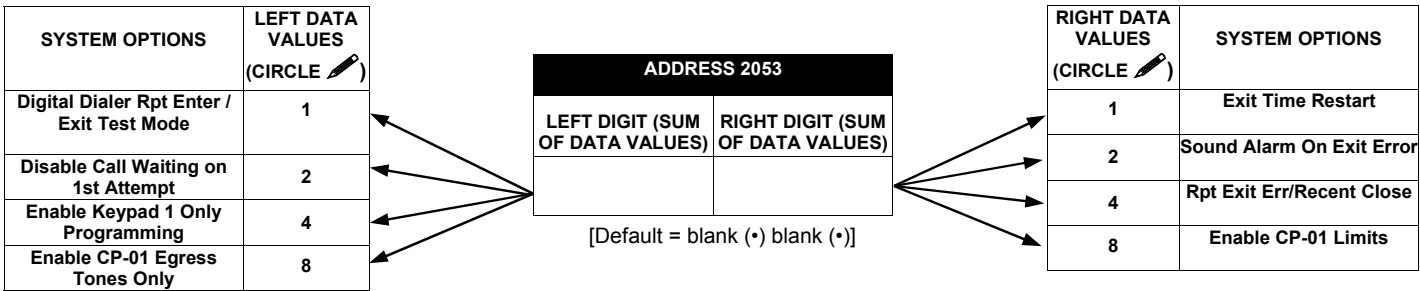
SYSTEM OPTIONS (ADDRESS 2051-2054)









^{††}NOTE: This option is for reference only and cannot be changed.



*Note: (Address 2052) If this feature is not selected, the E15 Lug will, by default, activate when the system is armed (all areas).



-  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  to save.

DIRECT ADDRESS PROGRAM MODE

CS RECEIVER OPTIONS (ADDRESS 0460-0525)

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

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

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

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

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

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

1. Select the desired CS Receiver Format from the table shown.
2. Enter in the corresponding right digit address location (left digit is not used) for each CS Receiver. **NOTE:** Dark shaded data value box shows option not available.
3. Press to save.

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

CS RECEIVER TELCO 1 OPTIONS	LEFT DATA VALUES (CIRCLE)	ADDRESS 0461	RIGHT DATA VALUES (CIRCLE)	CS RECEIVER TELCO 1 OPTIONS
Sum Check	1	LEFT DIGIT (SUM OF DATA VALUES)		1 1400Hz Handshake/Kissoff *
3/1 with Extended Restores	2			2 2300Hz Handshake/Kissoff *
Enable TCP/IP AES RPT	4			4 Enable Zone Number on Pulse Alarm
RESERVED	8			8 Single Digit Only
[Default = blank (*) blank (*)]				
CS RECEIVER TELCO 2 OPTIONS	LEFT DATA VALUES (CIRCLE)	ADDRESS 0483	RIGHT DATA VALUES (CIRCLE)	CS RECEIVER TELCO 2 OPTIONS
Sum Check	1	LEFT DIGIT (SUM OF DATA VALUES)		1 1400Hz Handshake/Kissoff *
3/1 with Extended Restores	2			2 2300Hz Handshake/Kissoff *
Enable TCP/IP AES RPT	4			4 Enable Zone Number on Pulse Alarm
RESERVED	8			8 Single Digit Only
[Default = blank (*) blank (*)]				
CS RECEIVER TELCO 3 OPTIONS	LEFT DATA VALUES (CIRCLE)	ADDRESS 0505	RIGHT DATA VALUES (CIRCLE)	CS RECEIVER TELCO 3 OPTIONS
Sum Check	1	LEFT DIGIT (SUM OF DATA VALUES)		1 1400Hz Handshake/Kissoff *
3/1 with Extended Restores	2			2 2300Hz Handshake/Kissoff *
Enable TCP/IP AES RPT	4			4 Enable Zone Number on Pulse Alarm
RESERVED	8			8 Single Digit Only
[Default = blank (*) blank (*)]				

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 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 .
3. Valid entries are: 1-9, B = , C = , D = 3 sec. pause, E = Wait for dial tone, F = ignore location. Press to save.

DIRECT ADDRESS PROGRAM MODE

CS SUBSCRIBER ID OPTIONS (ADDRESS 0560-0667)

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

DIRECT ADDRESS PROGRAM MODE

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 . 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

CS SYSTEM REPORTING CODES:

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


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

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

DIRECT ADDRESS PROGRAM MODE


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

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  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 0720-0751)

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

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

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

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

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

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

ZONE REPORT CODE OPTIONS	
DATA ENTRIES	
LEFT	RIGHT

NOTE: If "Zone Doubling" (Address 1423) is **not** enabled, then Zones 1-8 are included in the control panel and Zones 9-32 are EZM Zones. If "Zone Doubling" is enabled, then Zones 1-16 are included in the control panel and Zones 17-32 are EZM Zones. See Address 1455-1460 to enable "EZM Group Options".

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

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

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

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

 2. Press  to save.

DIRECT ADDRESS PROGRAM MODE



CS USER REPORTING OPTIONS (ADDRESS 0800-0813)

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

User Opening Telco 1	LEFT DATA VALUE				ADDRESS 0802		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 0803		RIGHT DATA VALUES			
	User	User	User	User	LEFT	RIGHT	User	User	User	User	User	User	User	User	LEFT	RIGHT	User	User	User	User
	24	23	22	21			20	19	18	17	32	31	30	29			28	27	26	25
	8	4	2	1			8	4	2	1	8	4	2	1			8	4	2	1

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

User 33 = Auto Arming/Disarming
 User 34 = Quickloader Remote Arming/Disarming
 User 35 = Easy Arming (Opening not applicable)
 User 36 = Keypress Arming

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

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

User Opening Telco 1	LEFT DATA VALUE				ADDRESS 0811		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 0812		RIGHT DATA VALUES			
	User	User	User	User	LEFT	RIGHT	User	User	User	User	User	User	User	User	LEFT	RIGHT	User	User	User	User
	24	23	22	21			20	19	18	17	32	31	30	29			28	27	26	25
	8	4	2	1			8	4	2	1	8	4	2	1			8	4	2	1

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

User 33 = Auto Arming/Disarming
 User 34 = Quickloader Remote Arming/Disarming
 User 35 = Easy Arming (Opening not applicable)
 User 36 = Keypress Arming

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

DIRECT ADDRESS PROGRAM MODE

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 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	7	6	5			4	3	2	1	16	15	14	13			12	11	10	9
	8	4	2	1			8	4	2	1	8	4	2	1			8	4	2	1

User Opening Telco 3	LEFT DATA VALUE				ADDRESS 0820		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 0821		RIGHT DATA VALUES			
	User 24	User 23	User 22	User 21	LEFT	RIGHT	User 20	User 19	User 18	User 17	User 32	User 31	User 30	User 29	LEFT	RIGHT	User 28	User 27	User 26	User 25
	24	23	22	21			20	19	18	17	32	31	30	29			28	27	26	25
	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

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 25-32, 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	7	6	5			4	3	2	1	16	15	14	13			12	11	10	9
	8	4	2	1			8	4	2	1	8	4	2	1			8	4	2	1



User Opening Telco 3	LEFT DATA VALUE				ADDRESS 0829		RIGHT DATA VALUES				LEFT DATA VALUES				ADDRESS 0830		RIGHT DATA VALUES			
	User 24	User 23	User 22	User 21	LEFT	RIGHT	User 20	User 19	User 18	User 17	User 32	User 31	User 30	User 29	LEFT	RIGHT	User 28	User 27	User 26	User 25
	24	23	22	21			20	19	18	17	32	31	30	29			28	27	26	25
	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

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 25-32, 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  to save.

DIRECT ADDRESS PROGRAM MODE

EZM GROUP OPTIONS (ADDRESS 1455-1460)

EZM Group 1	
ADDRESS 1455	
LEFT	RIGHT
blank	

EZM Group 2	
ADDRESS 1456	
LEFT	RIGHT
blank	

EZM Group 3	
ADDRESS 1457	
LEFT	RIGHT
blank	

EZM Group 4	
ADDRESS 1458	
LEFT	RIGHT
blank	

EZM Group 5	
ADDRESS 1459	
LEFT	RIGHT
blank	

EZM Group 6	
ADDRESS 1460	
LEFT	RIGHT
blank	

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

NOTE: If “Zone Doubling” (Address 1423, option 1) is **not** enabled, then Zones 1-8 are included in the control panel and Zones 9-32 (Groups 1-6) are EZM Zones. If “Zone Doubling” is enabled, then Zones 1-16 are included in the control panel and Zones 17-32 (Groups 1-4) are EZM Zones (and Groups 5 and 6 must not be used).

DIRECT ADDRESS PROGRAM MODE

EZM TYPE		EZM GROUP	ZONES COVERED	
DATA ENTRIES	OPTION		NORMAL	DOUBLED
blank (*)	Not used (No EZM present)	1	9-12	17-20
		2	13-16	21-24
		3	17-20	25-28
		4	21-24	29-32
1	4-Zone EZM	5	25-28	
		6	29-32	

EZM GROUP OPTIONS: Up to 6 Groups of 4 Zones each may be programmed depending on the number of Zones used and which EZM modules are connected. Each Group represents 4 Zones.

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

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

3. Press to save.

AREA ARMING OPTIONS (ADDRESS 1469-1470)

Priority Arming	ADDRESS 1469	
Area 1	LEFT	RIGHT
	blank (*)	

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

Priority Arming	ADDRESS 1470	
Area 2	LEFT	RIGHT
	blank (*)	

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

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

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

PRIORITY AREA ARMING:


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

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

3. Press to save.


AREA BELL CONTROL OPTIONS (ADDRESS 1473, 1474)

Area 1: Burglary 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 Area 1
1	Area 1 Burg Output Silenced
2	Area 2 Burg Output Silenced
4	RESERVED
8	RESERVED

Area 2: Burglary 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 1474	
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)
•	(1)

[Default = blank (•) one (1)]

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

OUTPUT TURNS OFF UPON DISARM:

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

-  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  to save.

DIRECT ADDRESS PROGRAM MODE

AREA BELL CONTROL OPTIONS (ADDRESS 1477, 1478)

Area 1: Pulsed Burg Output Turns Off upon Disarm

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	Disarming Area 1
1	Area 1 Pulsed Burg Output Silenced
2	Area 2 Pulsed Burg Output Silenced
4	RESERVED
8	RESERVED

Area 2: Pulsed Burg Output Turns Off upon Disarm

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

Pulsed Burg Output Turns Off upon Disarm	
ADDRESS 1478	
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)
•	(1)

[Default = blank (•) one (1)]

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

OUTPUT TURNS OFF UPON DISARM:

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

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 to save.

AREA BELL CONTROL OPTIONS (ADDRESS 1481, 1482)

Area 1: PGM1 Output Turns Off upon Disarm

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 Area 1
1	Area 1 PGM1 Output Silenced
2	Area 2 PGM1 Output Silenced
4	RESERVED
8	RESERVED

Area 2: PGM1 Output Turns Off upon Disarm

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

PGM1 Output Turns Off upon Disarm	
ADDRESS 1482	
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)
•	(1)

[Default = blank (•) one (1)]

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

OUTPUT TURNS OFF UPON DISARM:

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

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 to save.

DIRECT ADDRESS PROGRAM MODE

AREA BELL CONTROL OPTIONS (ADDRESS 1485, 1486)

Area 1: PGM2 Output Turns Off upon Disarm

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	Disarming Area 1
1	Area 1 PGM2 Burg Output Silenced
2	Area 2 PGM2 Burg Output Silenced
4	RESERVED
8	RESERVED

Area 2: PGM2 Output Turns Off upon Disarm

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

PGM2 Output Turns Off upon Disarm	
ADDRESS 1486	
LEFT DIGIT (SUM OF DATA VALUES)	RIGHT DIGIT (SUM OF DATA VALUES)
●	(1)

[Default = blank (•) one (1)]

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

OUTPUT TURNS OFF UPON DISARM:

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

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 to save.

DIRECT ADDRESS PROGRAM MODE

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*



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

*Not for UL Installations.

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  to save.

KEYPAD NO.	KEYPAD OPTIONS				ADDRESS 1440-1446			KEYPAD OPTIONS			
	LEFT DATA VALUES (CIRCLE )				LEFT	ADDR	RIGHT	RIGHT DATA VALUES (CIRCLE )			
	RSRVD	PANEL ACCESS	EASY ARMING	AMBUSH				RSRVD	KEYPAD PANIC	KEYPAD AUX.	KEYPAD FIRE
1	8	4	2	1		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.

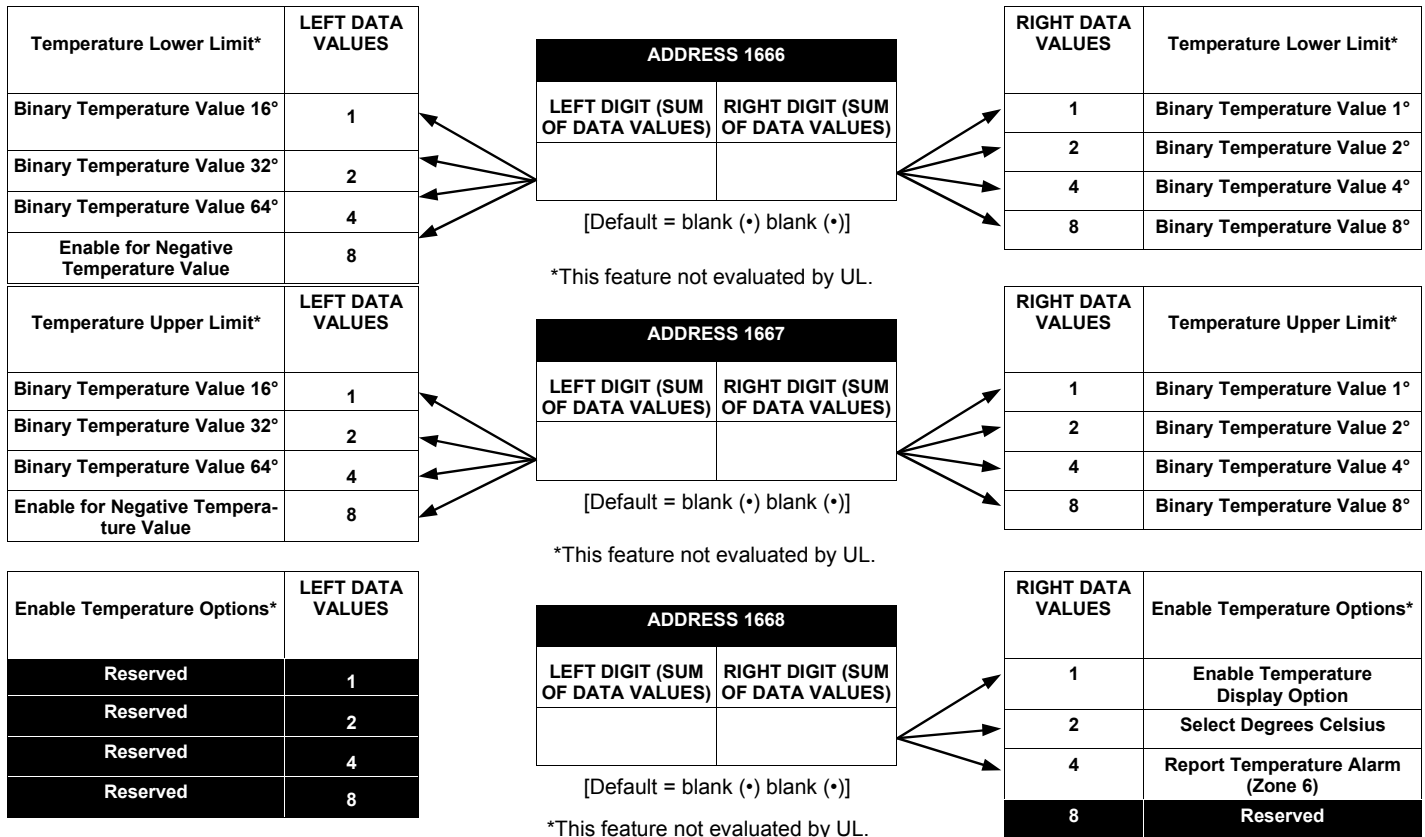
3. Press  to save.

DIRECT ADDRESS PROGRAM MODE

TEMPERATURE DISPLAY AT KEYPAD (ADDRESS 1666-1668)

--ZONE 6 TEMPERATURE SENSOR--

DIRECT ADDRESS PROGRAM MODE



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; if Zone Doubling is selected, zones 6, 14 will be 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-resettable. 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)

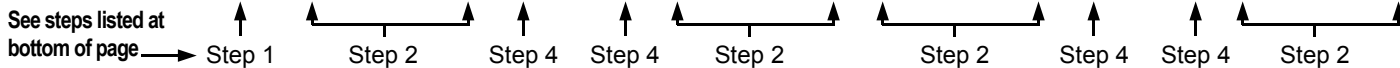
Note: If these three addresses are set and power (AC and battery) are subsequently removed, they keypad will indicate that the time and date are lost and will need to be reset. See WI1425 for more information.

*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
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
Zone Area 2	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

DIRECT ADDRESS PROGRAM MODE



† 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.
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

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.

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

DIRECT ADDRESS PROGRAM MODE

ZONE OPTIONS	ZONES 29-32 LEFT DATA VALUES (CIRCLE)				ADDRESS			ZONES 25-28 RIGHT DATA VALUES (CIRCLE)				ZONES 21-24 LEFT DATA VALUES (CIRCLE)				ADDRESS			ZONES 17-20 RIGHT DATA VALUES (CIRCLE)			
	ZN32	ZN31	ZN30	ZN29	L	ADDR	R	ZN28	ZN27	ZN26	ZN25	ZN24	ZN23	ZN22	ZN21	L	ADDR	R	ZN20	ZN19	ZN18	ZN17
	Priority	8	4	2	1		1093		8	4	2	1	8	4	2	1		1029		8	4	2
Priority with Bypass	8	4	2	1		1094		8	4	2	1	8	4	2	1		1030		8	4	2	1
Auto-Bypass	8	4	2	1		1095		8	4	2	1	8	4	2	1		1031		8	4	2	1
Selective Bypass	8	4	2	1		1096		8	4	2	1	8	4	2	1		1032		8	4	2	1
Keyswitch Arming	8	4	2	1		1097		8	4	2	1	8	4	2	1		1033		8	4	2	1
Auto-Bypass Re-entry	8	4	2	1		1098		8	4	2	1	8	4	2	1		1034		8	4	2	1
Pre-Alarm Warning	8	4	2	1		1099		8	4	2	1	8	4	2	1		1035		8	4	2	1
Never Arm	8	4	2	1		1100		8	4	2	1	8	4	2	1		1036		8	4	2	1
24-Hour Zone	8	4	2	1		1101		8	4	2	1	8	4	2	1		1037		8	4	2	1
Alarm Output	8	4	2	1		1102		8	4	2	1	8	4	2	1		1038		8	4	2	1
Pulsed Alarm Output	8	4	2	1		1103		8	4	2	1	8	4	2	1		1039		8	4	2	1
PGM1 Output	8	4	2	1		1104		8	4	2	1	8	4	2	1		1040		8	4	2	1
PGM2 Output	8	4	2	1		1105		8	4	2	1	8	4	2	1		1041		8	4	2	1
Entry/Exit 1	8	4	2	1		1106		8	4	2	1	8	4	2	1		1042		8	4	2	1
Entry/Exit 2	8	4	2	1		1107		8	4	2	1	8	4	2	1		1043		8	4	2	1
Exit/Entry Follower	8	4	2	1		1108		8	4	2	1	8	4	2	1		1044		8	4	2	1
Auto Reset	8	4	2	1		1109		8	4	2	1	8	4	2	1		1045		8	4	2	1
Swinger Shutdown	8	4	2	1		1110		8	4	2	1	8	4	2	1		1046		8	4	2	1
Chime	8	4	2	1		1111		8	4	2	1	8	4	2	1		1047		8	4	2	1
Abort Delay	8	4	2	1		1112		8	4	2	1	8	4	2	1		1048		8	4	2	1
Power-up Delay	8	4	2	1		1113		8	4	2	1	8	4	2	1		1049		8	4	2	1
Day Zone Open	8	4	2	1		1114		8	4	2	1	8	4	2	1		1050		8	4	2	1
Day Zone Short	8	4	2	1		1115		8	4	2	1	8	4	2	1		1051		8	4	2	1
Alarm on Day Zone	8	4	2	1		1116		8	4	2	1	8	4	2	1		1052		8	4	2	1
Alarm Telco 1	8	4	2	1		1117		8	4	2	1	8	4	2	1		1053		8	4	2	1
Alarm Restore 1	8	4	2	1		1118		8	4	2	1	8	4	2	1		1054		8	4	2	1
Trouble Telco 1	8	4	2	1		1119		8	4	2	1	8	4	2	1		1055		8	4	2	1
Trouble Restore 1	8	4	2	1		1120		8	4	2	1	8	4	2	1		1056		8	4	2	1
Alarm Telco 3	8	4	2	1		1121		8	4	2	1	8	4	2	1		1057		8	4	2	1
Alarm Restore 3	8	4	2	1		1122		8	4	2	1	8	4	2	1		1058		8	4	2	1
Trouble Telco 3	8	4	2	1		1123		8	4	2	1	8	4	2	1		1059		8	4	2	1
Trouble Restore 3	8	4	2	1		1124		8	4	2	1	8	4	2	1		1060		8	4	2	1
No EOL Resistor	8	4	2	1		1125		8	4	2	1	8	4	2	1		1061		8	4	2	1
Trouble on Open	8	4	2	1		1126		8	4	2	1	8	4	2	1		1062		8	4	2	1
Trouble on Short	8	4	2	1		1127		8	4	2	1	8	4	2	1		1063		8	4	2	1
Zone Area 1	8	4	2	1		1128		8	4	2	1	8	4	2	1		1064		8	4	2	1
Zone Area 2	8	4	2	1		1129		8	4	2	1	8	4	2	1		1065		8	4	2	1
RESERVED	8	4	2	1		1130		8	4	2	1	8	4	2	1		1066		8	4	2	1
RESERVED	8	4	2	1		1131		8	4	2	1	8	4	2	1		1067		8	4	2	1
Interior (Stay) Bypass	8	4	2	1		1132		8	4	2	1	8	4	2	1		1068		8	4	2	1
Keypad Sounder on Alarm	8	4	2	1		1133		8	4	2	1	8	4	2	1		1069		8	4	2	1
Fire (C)	8	4	2	1		1135		8	4	2	1	8	4	2	1		1071		8	4	2	1
Fire Alarm Verification (C)	8	4	2	1		1136		8	4	2	1	8	4	2	1		1072		8	4	2	1
Zone ANDing Group 1	8	4	2	1		1138		8	4	2	1	8	4	2	1		1074		8	4	2	1
Zone ANDing Group 2	8	4	2	1		1139		8	4	2	1	8	4	2	1		1075		8	4	2	1
Zone ANDing Group 3	8	4	2	1		1140		8	4	2	1	8	4	2	1		1076		8	4	2	1
Zone ANDing Group 4	8	4	2	1		1141		8	4	2	1	8	4	2	1		1077		8	4	2	1
Sensor Watch	8	4	2	1		1142		8	4	2	1	8	4	2	1		1078		8	4	2	1
RESERVED	8	4	2	1		1143		8	4	2	1	8	4	2	1		1079		8	4	2	1
Chime 2	8	4	2	1		1144		8	4	2	1	8	4	2	1		1080		8	4	2	1
RESERVED	8	4	2	1		1145		8	4	2	1	8	4	2	1		1081		8	4	2	1
RESERVED	8	4	2	1		1146		8	4	2	1	8	4	2	1		1082		8	4	2	1

See Steps listed at bottom of page 44 → 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.

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

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

THIS PAGE INTENTIONALLY LEFT BLANK



THIS PAGE INTENTIONALLY LEFT BLANK

EXTERNAL RELAY CONTROL (ADDRESS 1489-1568)

ADDRESS 1489-1493 (RELAY EVENT 1)									
1489		1490		1491		1492		1493	
RELAY #		AREA		Timeout		Event ID		COND.	
L	R	L	R	L	R	L	R	L	R
(•)		(•)							

ADDRESS 1494-1498 (RELAY EVENT 2)									
1494		1495		1496		1497		1498	
RELAY #		AREA		Timeout		Event ID		COND.	
L	R	L	R	L	R	L	R	L	R
(•)		(•)							

ADDRESS 1499-1503 (RELAY EVENT 3)									
1499		1500		1501		1502		1503	
RELAY #		AREA		Timeout		Event ID		COND.	
L	R	L	R	L	R	L	R	L	R
(•)		(•)							

ADDRESS 1504-1508 (RELAY EVENT 4)									
1504		1505		1506		1507		1508	
RELAY #		AREA		Timeout		Event ID		COND.	
L	R	L	R	L	R	L	R	L	R
(•)		(•)							

ADDRESS 1509-1513 (RELAY EVENT 5)									
1509		1510		1511		1512		1513	
RELAY #		AREA		Timeout		Event ID		COND.	
L	R	L	R	L	R	L	R	L	R
(•)		(•)							

ADDRESS 1514-1518 (RELAY EVENT 6)									
1514		1515		1516		1517		1518	
RELAY #		AREA		Timeout		Event ID		COND.	
L	R	L	R	L	R	L	R	L	R
(•)		(•)							

ADDRESS 1519-1523 (RELAY EVENT 7)									
1519		1520		1521		1522		1523	
RELAY #		AREA		Timeout		Event ID		COND.	
L	R	L	R	L	R	L	R	L	R
(•)		(•)							

ADDRESS 1524-1528 (RELAY EVENT 8)									
1524		1525		1526		1527		1528	
RELAY #		AREA		Timeout		Event ID		COND.	
L	R	L	R	L	R	L	R	L	R
(•)		(•)							

ADDRESS 1529-1533 (RELAY EVENT 9)									
1529		1530		1531		1532		1533	
RELAY #		AREA		Timeout		Event ID		COND.	
L	R	L	R	L	R	L	R	L	R
(•)		(•)							

ADDRESS 1534-1538 (RELAY EVENT 10)									
1534		1535		1536		1537		1538	
RELAY #		AREA		Timeout		Event ID		COND.	
L	R	L	R	L	R	L	R	L	R
(•)		(•)							

ADDRESS 1539-1543 (RELAY EVENT 11)									
1539		1540		1541		1542		1543	
RELAY #		AREA		Timeout		Event ID		COND.	
L	R	L	R	L	R	L	R	L	R
(•)		(•)							

ADDRESS 1544-1548 (RELAY EVENT 12)									
1544		1545		1546		1547		1548	
RELAY #		AREA		Timeout		Event ID		COND.	
L	R	L	R	L	R	L	R	L	R
(•)		(•)							

ADDRESS 1549-1553 (RELAY EVENT 13)									
1549		1550		1551		1552		1553	
RELAY #		AREA		Timeout		Event ID		COND.	
L	R	L	R	L	R	L	R	L	R
(•)		(•)							

ADDRESS 1554-1558 (RELAY EVENT 14)									
1554		1555		1556		1557		1558	
RELAY #		AREA		Timeout		Event ID		COND.	
L	R	L	R	L	R	L	R	L	R
(•)		(•)							

ADDRESS 1559-1563 (RELAY EVENT 15)									
1559		1560		1561		1562		1563	
RELAY #		AREA		Timeout		Event ID		COND.	
L	R	L	R	L	R	L	R	L	R
(•)		(•)							

ADDRESS 1564-1568 (RELAY EVENT 16)									
1564		1565		1566		1567		1568	
RELAY #		AREA		Timeout		Event ID		COND.	
L	R	L	R	L	R	L	R	L	R
(•)		(•)							


[Default = blank (•) blank (•) from address 1489-1568]


DIRECT ADDRESS PROGRAM MODE


**CONTINUED ON
NEXT PAGE** 


 To program, follow the 5 steps below:



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

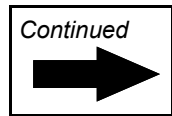
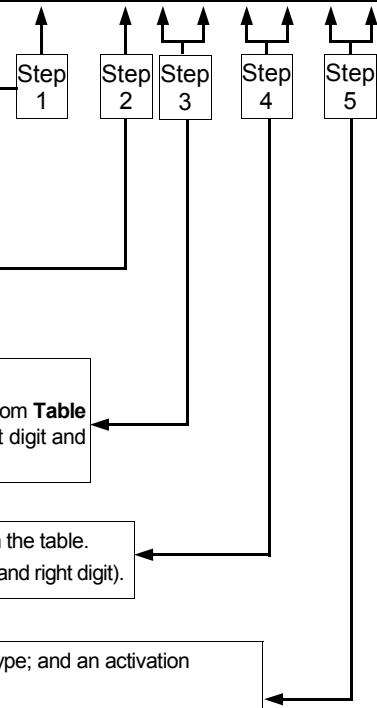
To program, follow the 5 steps below:
STEP 1: RELAY # OPTIONS: The GEM-P1632 supports 8 external relays from Relay Module RM3008. Multiple events may be "mapped" to each relay, up to a maximum of 16 events.
 Select the relay number from **Table 1** (shown on next page); enter in corresponding right digit address location (left digit is not used).

STEP 2: AREA OPTIONS: Each relay event can be assigned to Area 1, Area 2 or both Area 1 & Area 2.
 Select the area from **Table 2** (shown on next page); enter in corresponding right digit address location (left digit is not used).

STEP 3: TIMEOUTS: Each relay event can be assigned a timeout depending on Alarm Type option.
 If Alarm Type (see next page) is selected for timeout in minutes or seconds, select the timeout from **Table 3** (shown on next page) in minutes or seconds and enter in corresponding address location (left digit and right digits). To choose seconds or minutes, see step 5A below. 254 is maximum entry.

STEP 4: EVENT ID CODES: Each relay event can be assigned any of the available event IDs from the table.
 Select 2-digit Event ID from **Table 4** (see next page); enter in corresponding address locations (left and right digit).

STEP 5: RELAY EVENT CONDITION OPTIONS: Each relay event can be assigned an alarm type; and an activation condition; also, select a timeout type for each.
 5A. Select Alarm Type and Timeout Type from **Table 5A** (shown on next page); enter in corresponding address location (left digit).
 5B. Select Activation from from **Table 5B** (shown on next page); enter in corresponding address location (right digit).



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

Table 1

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

Table 2

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

Table 4

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

Table 4 (cont'd)

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

Table 5A

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

Table 5B

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

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


DIRECT ADDRESS PROGRAM MODE



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

Number of RF Receivers	ADDRESS 2056		DATA ENTRIES	RF Receiver(s)
	LEFT	RIGHT		
		blank (*)		RIGHT
			blank (*)	None
			1	1
			2	2

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


- RF RECEIVERS:** Up to 2 RF Receivers may be programmed.
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  to save.

RF SUPERVISORY TIMER	RF TRANSMITTER	ADDRESS 2029-2036			RF SUPERVISORY TIMER	RF TRANSMITTER	ADDRESS 2037-2044		
		LEFT	ADDR	RIGHT			LEFT	ADDR	RIGHT
Type 0	Window/Door, 2 Pt.	blank (*)	2029		Type 8	Smoke Detector	blank (*)	2037	
Type 1	Window/Door, 2 Pt.	blank (*)	2030		Type 9	RESERVED	blank (*)	2038	
Type 2	Window/Door, 2 Pt.	blank (*)	2031		Type A	Dual Tech.	blank (*)	2039	
Type 3	Window/Door, 2 Pt.	blank (*)	2032		Type B	RESERVED	blank (*)	2040	
Type 4	RESERVED	blank (*)	2033		Type C	Window/Door, 4 Pt.	blank (*)	2041	
Type 5	PIR	blank (*)	2034		Type D	PIR	blank (*)	2042	
Type 6	PIR	blank (*)	2035		Type E	Smoke Detector	blank (*)	2043	
Type 7	Smoke Detector	blank (*)	2036		Type F	Napco Glass Break	blank (*)	2044	

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

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

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

1. Select timer delay from the table shown. Timers are programmed in increments of 30 minutes each. Valid entries are [blank (*)3]-[blank (*)F], 90 minutes-450 minutes.
2. Enter in corresponding address locations above right digit only (left digit is not used).
3. Press  to save.

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

DIRECT ADDRESS PROGRAM MODE

CLEAR PROGRAM OPTIONS (ADDRESS 2285 & 2286)

2285 XX

GEM-RP1CAe2 Keypad


Clear Dealer Program (Erases Dealer Program)



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

2285 XX

GEM-RP2ASe2 Keypad

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

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

2286 XX

GEM-RP1CAe2 Keypad


Cold Start (Erases Entire Program)



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

2286 XX

GEM-RP2ASe2 Keypad








Access address 2286, then press the  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  button. *Data will not be stored into memory unless this button is pressed.*
-  If the keypad is in the Program Mode and no activity is detected for longer than 4 minutes, a steady tone will sound.
-  Press the  button to silence the sounder and exit the User Program Mode. Use the  button to manually scroll the display at the end of each programming line.


ACCESSING USER PROGRAM MODE


1. Press  

↙ New Panel (Default User Code = 123) ↘

Existing Panel (Any Code with User Program Option Enabled)

2. Press  **Until "TURNON PROG Y/N" (GEM-RP2ASe2/GEM-K2AS) or "97" (GEM-RP3DGTL/GEM-K3DGTL or GEM-RP4RFC/GEM-K4RF) appears on the LCD screen.**

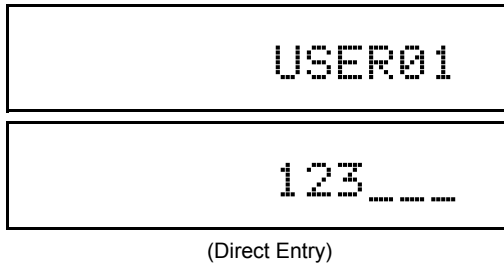
3. Press  **To Enter User Program Mode.**

4. Press  **To Exit User Program Mode when finished.**

USER PROGRAM MODE

USER CODES

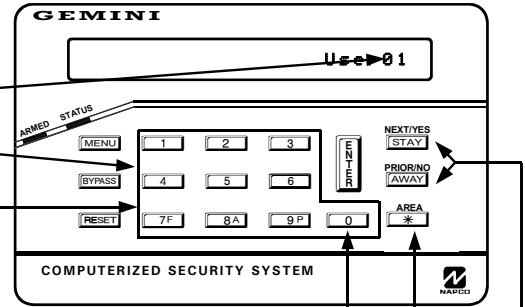
GEM-K2AS Keypad



(Direct Entry)

To Program User Codes

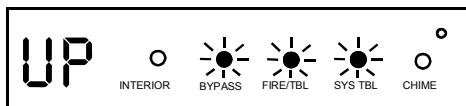
1. Enter 2-digit User Number (01-32) directly using number buttons (0-9).
2. Press the **[MENU]** button.
3. Enter Code (1-6 digits) directly using number buttons (0-9).
4. Press the **[ENTER]** button to save each code.



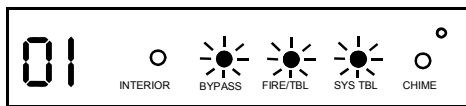
NOTE: Press **[*]** **[0]** button to clear character at cursor.
To continue press **[STAY]** or **[AWAY]** button.

Programming User Codes with GEM-K2AS Keypad

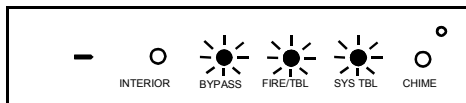
GEM-K3DGTL Keypad



User Program Mode



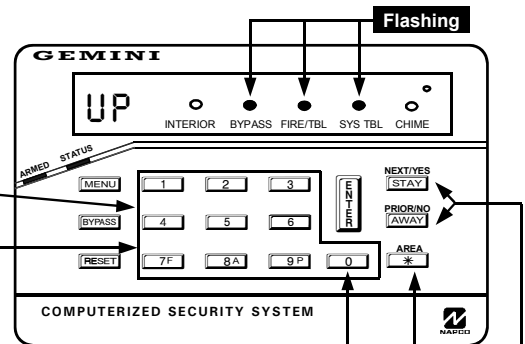
User Number



User Code (Direct Entry)

To Program User Codes

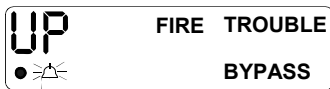
1. Enter 2-digit User Number (01-32) directly using number buttons (0-9).
2. Press the **[MENU]** button.
3. Enter Code (1-6 digits) directly using number buttons (0-9).
4. Press the **[ENTER]** button to save each code.



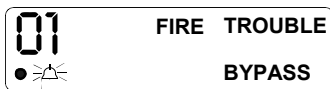
NOTE: Press **[*]** **[0]** button to clear character at cursor.
To continue press **[STAY]** or **[AWAY]** button.

Programming User Codes with GEM-K3DGTL Keypad

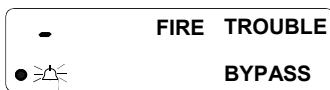
GEM-K4RF Keypad



User Program Mode



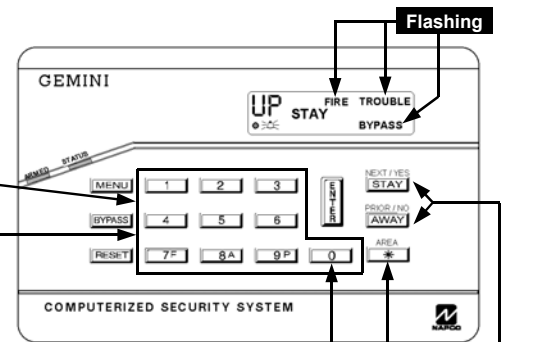
User Number



User Code (Direct Entry)

To Program User Codes

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

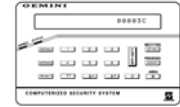


NOTE: Press **[*]** **[0]** button to clear character at cursor.
To continue press **[STAY]** or **[AWAY]** button.

Programming User Codes with GEM-K4RF Keypad

USER PROGRAM MODE

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 WI897 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 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.

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

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).

Keypad Configuration Mode: Configuring the Keypads

ALPHABETICAL INDEX

1400HZ HANDSHAKE/KISSOFF, ADDRESS 0461	30	AREA ARMING OPTIONS (ADDRESS 1469-1470).....	36
1400HZ HANDSHAKE/KISSOFF, ADDRESS 0483	30	AREA BELL CONTROL OPTIONS (ADDRESS 1473, 1474).....	37
1400HZ HANDSHAKE/KISSOFF, ADDRESS 0505	30	AREA BELL CONTROL OPTIONS (ADDRESS 1477, 1478).....	38
2300HZ HANDSHAKE/KISSOFF, ADDRESS 0461	30	AREA BELL CONTROL OPTIONS (ADDRESS 1481, 1482).....	39
2300HZ HANDSHAKE/KISSOFF, ADDRESS 0483	30	AREA BELL CONTROL OPTIONS (ADDRESS 1485, 1486).....	40
2300HZ HANDSHAKE/KISSOFF, ADDRESS 0505	30	AREA BURG OUTPUT SILENCED	37
24 HOUR AUXILIARY (MODEM CODE).....	33	AREA OPTIONS	10
24 HOUR ZONES IN AREA 1	7, 14, 15	AREA PGM1 OUTPUT SILENCED.....	39
24-HOUR ZONE (ZONE OPTION).....	43, 44,	AREA PGM2 BURG OUTPUT SILENCED.....	40
2-WIRE FIRE ZONES	13	AREA PULSED BURG OUTPUT SILENCED.....	38
2-WIRE FIRE ZONES IN AREA 1.....	6	AUTO BELL TEST ON ARMING, ADDRESS 1421.....	28
2-WIRE SMOKE DETECTORS (ZONE OPTION)	43	AUTO BYPASS RE-ENTRY ZONES	8, 14, 15
3/1 WITH EXTENDED RESTORES, ADDRESS 0461	30	AUTO RESET (ZONE OPTION)	43, 44
3/1 WITH EXTENDED RESTORES, ADDRESS 0483	30	AUTO RESET AFTER BURGLARY OUTPUT TIMEOUT, ADDRESS 1421	28
3/1 WITH EXTENDED RESTORES, ADDRESS 0505	30	AUTO-BYPASS (ZONE OPTION).....	43, 44
50 MS LOOP RESPONSE ZONES	7	AUTO-BYPASS RE-ENTRY (ZONE OPTION).....	43, 44
50MS LOOP RESPONSE (ZONE OPTION).....	43	AUTOMATIC INTERIOR BYPASS/EASY EXIT, ADDRESS 1424.....	28
50MS LOOP RESPONSE ZONES	14, 15	AUX 1/AUX 2 OPTIONS	11, 18
ABORT DELAY (ZONE OPTION).....	43, 44	AUX OUTPUT ACTIVATED ON ALARM ZONES	14, 15
ABORT DELAY, ADDRESS 1417	24	AUX OUTPUT ACTIVATED ON ALARM ZONES	7
AC FAIL REPORT DELAY, ADDRESS 1419.....	24	AUXILIARY ALARM (MODEM CODE).....	33
ACCESS CONTROL ON PGM2 OUTPUT, ADDRESS 1421.....	28	BACKUP REPORT ON TELCO 1 & 2, ADDRESS 0788.....	32
ACCESSING DEALER PROGRAM MODE	5	BURGLARY (MODEM CODE).....	33
ACCESSING USER PROGRAM MODE	51	BURGLARY OUTPUT TURNS OFF UPON DISARM	37
ACTIVATE DOWNLOAD	4	CALLBACK METHOD.....	4
ADEMCO POINT ID (RECEIVER FORMAT).....	30	CALLBACK TELEPHONE NUMBER, ADDRESS 0526-0545.....	25
ADEMCO SLOW, SILENT KNIGHT SLOW (RECEIVER FORMAT).....	30	CANCEL NEXT TEST TIMER ON ANY REPORT, ADDRESS 0788.....	32
ALARM ON DAY ZONE (ZONE OPTION)	43, 44	CENTRAL STATION RECEIVER 1 ACCOUNT NUMBER	9, 16
ALARM OUTPUT (ZONE OPTION)	43, 44	CENTRAL STATION RECEIVER 1 FORMAT	9, 16
ALARM OUTPUT TIMEOUT, ADDRESS 1414.....	25	CENTRAL STATION RECEIVER 1 TELEPHONE NUMBER	8, 16
ALARM RESTORE 1 (ZONE OPTION).....	43, 44	CHANGE PULSE OUTPUT TO TEMPORAL OUTPUT, ADDRESS 1422	28
ALARM RESTORE 3 (ZONE OPTION).....	43, 44	CHANGING OR CANCELING A CODE.....	10, 17
ALARM TELCO 1 (ZONE OPTION)	43, 44	CHIME (ZONE OPTION)	43, 44
ALARM TELCO 3 (ZONE OPTION)	43, 44	CHIME 2 (ZONE OPTION)	43, 44
AREA 1 SYSTEM EVENT/TROUBLE	26	CHIME 2 ZONES IN AREA 1.....	7, 14, 15
AREA 2 SYSTEM EVENT/TROUBLE	26		

ALPHABETICAL INDEX (CONT'D)

<p>CHIME TIME, ADDRESS 1418.....24</p> <p>CHIME ZONES IN AREA 17, 14, 15</p> <p>CHIRP OUTPUT ON KEYFOB ARM/DISARM, ADDRESS 1422.....28</p> <p>CLEAR DEALER PROGRAM51</p> <p>CLEAR PROGRAM.....12, 19</p> <p>CLEAR PROGRAM OPTIONS (ADDRESS 2285 & 2286)51</p> <p>CLOSING REPORT ONLY ON CONDITIONAL CLOSE, ADDRESS 1420.....28</p> <p>COLD START.....51</p> <p>CONFIGURING THE KEYPADS53</p> <p>CONVENTIONS USED IN THIS MANUAL.....23</p> <p>CS AREA & SYSTEM REPORTING OPTIONS (ADDRESS 0785, 0786 & 0788).....32</p> <p>CS RECEIVER 1 FORMAT, ADDRESS 0460.....30</p> <p>CS RECEIVER 2 FORMAT, ADDRESS 0482.....30</p> <p>CS RECEIVER 3 FORMAT, ADDRESS 0504.....30</p> <p>CS RECEIVER OPTIONS (ADDRESS 0460-0525)30</p> <p>CS RECEIVER TELEPHONE NUMBERS.....30</p> <p>CS SUBSCRIBER ID OPTIONS (ADDRESS 0560-0667)31</p> <p>CS SYSTEM REPORT OPTIONS.....32</p> <p>CS SYSTEM REPORTING CODES.....32</p> <p>CS SYSTEM REPORTING OPTIONS (ADDRESS 0670-0705).....32</p> <p>CS USER REPORTING OPTIONS (ADDRESS 0800-0813).....34</p> <p>CS USER REPORTING OPTIONS (ADDRESS 0818-0831).....35</p> <p>CS ZONE REPORTING OPTIONS (ADDRESS 0720-0751).....33</p> <p>CUSTOMIZING A DEFAULT PROGRAM5</p> <p>DAY ZONE OPEN (ZONE OPTION)43, 44</p> <p>DAY ZONE SHORT (ZONE OPTION).....43, 44</p> <p>DEALER CODE.....11, 19</p> <p>DEALER CODE (DEFAULT).....5</p> <p>DEALER PROGRAM5</p> <p>DEALER PROGRAM MODE4</p> <p>DEFAULT DEALER CODE5</p> <p>DIGITAL DIALER RPT ENTER /EXIT TEST MODE, ADDRESS 2053.....29</p> <p>DIRECT ADDRESS PROGRAM MODE.....20</p> <p>DIRECT ADDRESS PROGRAM MODE (ACCESS).....22</p> <p>DIRECT ADDRESS PROGRAM MODE KEYPAD COMMANDS21</p>	<p>DISABLE [ON/OFF] AS EASY EXIT, ADDRESS 205129</p> <p>DISABLE 2ND CALL ANS. MACHINE OVERRIDE, ADDRESS 1424.....28</p> <p>DISABLE AUTO DIAL TONE DETECT, ADDRESS 0788.....32</p> <p>DISABLE CALL WAITING ON 1ST ATTEMPT, ADDRESS 2053.....29</p> <p>DISABLE CALLBACK DOWNLOAD, ADDRESS 1422.....28</p> <p>DISABLE CLOSING REPORTS, ADDRESS 0786.....32</p> <p>DISABLE CODE REQUIRED FOR EZ BYPASS, ADDRESS 1424.....28</p> <p>DISABLE KEYPAD FUNCTION MODE DOWNLOAD, ADDRESS 1422.....28</p> <p>DISABLE KEYPAD INSTANT MODE, ADDRESS 142128</p> <p>DISABLE OPENING REPORTS, ADDRESS 078532</p> <p>DISABLE SOUNDER.....53</p> <p>DISABLE SYSTEM TROUBLE AUDIBLE TIMEOUT, ADDRESS 205129</p> <p>DISABLE WAIT FOR HANDSHAKE ON TRANSMIT, ADDRESS 0788.....32</p> <p>DISABLE WAIT FOR SILENCE (PAGER FORMAT), ADDRESS 0788.....32</p> <p>DISABLE ZONE FAULT SCROLLING, ADDRESS 1420.....28</p> <p>DON'T CLEAR PGM2 OUTPUT WITH DISARM, ADDRESS 1424.....28</p> <p>DOWNLOAD/CALLBACK OPTIONS (ADDRESS 2059 & 0526- 0545).....25</p> <p>DOWNLOADING FROM A COMPUTER.....4</p> <p>EASY MENU DRIVEN PROGRAM MODE.....5</p> <p>EASY MENU-DRIVEN PROGRAM MODE4</p> <p>EASY PROGRAM MENU.....13</p> <p>ENABLE "K SERIES" STYLE KEYPADS, ADDRESS 2051.....29</p> <p>ENABLE ALARM OUTPUT ON TELCO FAIL ONLY WHEN ARMED, ADDRESS 1423.....28</p> <p>ENABLE AUTOARM IF NOT CLOSED AT END OF WINDOW, ADDRESS 1420.....28</p> <p>ENABLE BURG OUTPUT CHIRP ON KEYFOB8, 14, 15</p> <p>ENABLE CANCEL REPORT TO TELCO 3, ADDRESS 205129</p> <p>ENABLE CP-01 EGRESS TONES ONLY, ADDRESS 2053.....29</p> <p>ENABLE CP-01 LIMITS, ADDRESS 2053.....29</p> <p>ENABLE GEM-PRINT MODULE, ADDRESS 2051.....29</p> <p>ENABLE GLOBAL AMBUSH CODE, ADDRESS 1422.....28</p> <p>ENABLE KEYPAD 1 ONLY PROGRAMMING, ADDRESS 2053.....29</p> <p>ENABLE KEYPAD SET TIME/DATE MESSAGE, ADDRESS 205129</p>
---	--



ALPHABETICAL INDEX (CONT'D)

ENABLE KEYPAD TIME/DATE DISPLAY, ADDRESS 1420	28	FIRE ALARM VERIFICATION (ZONE OPTION)	43
ENABLE LINE-FAULT TEST, ADDRESS 1423	28	FIRE ALARM VERIFICATION (ZONE OPTION)	44
ENABLE LOCAL ALARM ON FIRST ZONE AND TRIP, ADDRESS 1421	28	FIRE ZONES	13
ENABLE MANAGER'S MODE, ADDRESS 1421	28	FIRE ZONES IN AREA 1	6
ENABLE NO EOLR ZONES	8, 14, 15	FUNCTION MODE	4
ENABLE RESIDENTIAL FIRE, ADDRESS 1422	28	GAS ALARM (MODEM CODE)	33
ENABLE SIA CP-01	8, 14, 15	GEM-P1632 WIRING DIAGRAM	64
ENABLE TCP/IP AES RPT (ADDRESS 0461)	30	GEM-RP2ASE2/GEM-K2AS KEYPAD EASY PROGRAM MENU	6
ENABLE TCP/IP AES RPT (ADDRESS 0483)	30	GEM-RP3DGTL/GEM-K3DGTL AND GEM-RP4RFC/GEM- K4RF KEYPAD EASY PROGRAM MENU	13
ENABLE TCP/IP AES RPT (ADDRESS 0505)	30	GENERAL PROGRAMMING STEPS	23
ENABLE TCP/IP COMMUNICATIONS, ADDRESS 2054	29	GLOBAL AMBUSH CODE, ADDRESS 2045	26
ENABLE TELCO LINE FAULT TEST	8, 14, 15	GLOBAL SYSTEM EVENT/TROUBLE	26
ENABLE ZONE DOUBLING (ZONES 9-16), ADDRESS 1423	28	HEAT ALARM (MODEM CODE)	33
ENABLE ZONE NUMBER ON PULSE ALARM, ADDRESS 0461	30	HOLD UP (MODEM CODE)	33
ENABLE ZONE NUMBER ON PULSE ALARM, ADDRESS 0483	30	INCL. SEL./GRP. BYPASS IN COND. CLOSE /STATUS, ADDRESS 1420	28
ENABLE ZONE NUMBER ON PULSE ALARM, ADDRESS 0505	30	INHIBIT SYSTEM TROUBLE AUDIBLE AT KEYPAD, ADDRESS 1423	28
ENTER USER CODES	9, 16	INTERIOR (STAY) BYPASS (ZONE OPTION)	43, 44
ENTRY DELAY 2, ADDRESS 0002	24	INTERIOR (STAY) BYPASS ZONES IN AREA 1	7
ENTRY DELAY, ADDRESS 0001	24	INTERIOR NORMALLY BYPASSED, ADDRESS 1422	28
ENTRY/EXIT 1 (ZONE OPTION)	43, 44	INTERIOR ZONES	14, 15
ENTRY/EXIT 2 (ZONE OPTION)	43, 44	KEYFOB TRANSMITTERS	18
ERASE DEALER PROGRAM	51	KEYFOB TRANSMITTERS AS ARM/DISARM & CONTROL DEVICES	11
ERASE ENTIRE PROGRAM	51	KEYFOB TRANSMITTERS AS ZONE INPUT DEVICES	11, 18
EXIT DEALER PROGRAM MODE	12, 19	KEYFOB ZONE ASSIGNMENT	11, 18
EXIT DELAY, ADDRESS 0000	24	KEYPAD ADDRESS	53
EXIT TIME RESTART, ADDRESS 2053	29	KEYPAD ADDRESS PROGRAM MODE DISPLAY	21
EXIT/ENTRY DELAYS	24	KEYPAD CONFIGURATION MODE	53
EXIT/ENTRY FOLLOWER (ZONE OPTION)	43, 44	KEYPAD EASY PROGRAM MENU	13
EXIT/ENTRY ZONES	13	KEYPAD INSTALLATION	53
EXIT/ENTRY ZONES IN AREA 1	6	KEYPAD OPTIONS (ADDRESS 1425-1431, 1440-1446)	41
EXIT/ENTRY2 ZONES IN AREA 1	7, 15	KEYPAD PROGRAMMING	4
EXTERNAL RELAY CONTROL (ADDRESS 1489-1568)	47	KEYPAD PROGRAMMING OVERVIEW	20
EZM GROUP OPTIONS (ADDRESS 1455-1460)	36	KEYPAD SOUNDER ON ALARM (ZONE OPTION)	43, 44
FIRE (ZONE OPTION)	43	KEYPAD SOUNDER ON ALARM ZONES	7, 14, 15
FIRE (MODEM CODE)	33		
FIRE (ZONE OPTION)	44		



ALPHABETICAL INDEX (CONT'D)

<p>KEYPAD TYPE 41</p> <p>KEYSWITCH ARMING (ZONE OPTION)..... 43, 44</p> <p>LCD BACKLIGHT..... 53</p> <p>LEADING DIGITS FOR PAGER FORMAT, ADDRESS 0546-0547 25</p> <p>LINE-FAULT TEST ONLY WHEN ARMED, ADDRESS 1423..... 28</p> <p>LOCAL DOWNLOADING..... 4</p> <p>LOCAL OR CENTRAL STATION REPORTING SYSTEM..... 6</p> <p>LOCAL SYSTEM OR C.S. REPORTING SYSTEM..... 13</p> <p>LUG E15 AREA 1 ARMED AWAY ONLY, ADDRESS 2052..... 29</p> <p>MAINTAINED KEYSWITCH ARMING, ADDRESS 1421..... 28</p> <p>MODEM CODES..... 33</p> <p>MULTIPLE AREA SYSTEM..... 6</p> <p>NEVER ARM (ZONE OPTION) 43, 44</p> <p>NO EOL RESISTOR (ZONE OPTION) 43, 44</p> <p>NUMBER OF KEYPADS 16</p> <p>NUMBER OF KEYPADS IN AREA 1..... 8</p> <p>NUMBER OF RF RECEIVERS, ADDRESS 2056..... 50</p> <p>NUMBER OF RINGS BEFORE PICKUP, ADDRESS 2059..... 25</p> <p>OPENING REPORT ONLY AFTER ALARM REPORT, ADDRESS 1420 28</p> <p>OUTPUT TIMEOUTS..... 25</p> <p>OUTPUT TURNS OFF UPON DISARM..... 37, 38, 39, 40</p> <p>PAGER (RECEIVER FORMAT)..... 30</p> <p>PAGER FORMAT OPTIONS (ADDRESS 0546 & 0547)..... 25</p> <p>PANEL ZONE DOUBLING 6, 13</p> <p>PANIC (MODEM CODE)..... 33</p> <p>PCI2000/3000..... 4</p> <p>PGM ON RF TRANSMITTER TAMPER, ADDRESS 2052 29</p> <p>PGM1 OUTPUT (ZONE OPTION)..... 43, 44</p> <p>PGM1 OUTPUT TIMEOUT, ADDRESS 1416..... 25</p> <p>PGM1 OUTPUT TURNS OFF UPON DISARM 39</p> <p>PGM2 OUTPUT (ZONE OPTION)..... 43, 44</p> <p>PGM2 OUTPUT ACCESS CNTRL TIMEOUT, ADDRESS 1413 24</p> <p>PGM2 OUTPUT TIMEOUT, ADDRESS 1412..... 25</p> <p>PGM2 OUTPUT TURNS OFF UPON DISARM 40</p> <p>POWER-UP DELAY (ZONE OPTION)..... 43, 44</p> <p>PRE-ALARM WARNING (ZONE OPTION)..... 43, 44</p>	<p>PRIORITY (ZONE OPTION)..... 43, 44</p> <p>PRIORITY AREA ARMING 36</p> <p>PRIORITY WITH BYPASS (ZONE OPTION) 43, 44</p> <p>PROGRAMMING STEPS..... 23</p> <p>PROGRAMMING TIMEOUTS..... 24</p> <p>PROGRAMMING USER CODES 52</p> <p>PULSE ALARM OUTPUT TIMEOUT, ADDRESS 1415..... 25</p> <p>PULSE EVENT CODE..... 33</p> <p>PULSED ALARM OUTPUT (ZONE OPTION) 43, 44</p> <p>PULSED BURG OUTPUT TURNS OFF UPON DISARM..... 38</p> <p>QUICK ENROLL METHOD 10, 17</p> <p>RADIONICS FAST (RECEIVER FORMAT)..... 30</p> <p>RADIONICS, DCI, FRANKLIN SLOW (RECEIVER FORMAT) 30</p> <p>RECEIVER TELCO OPTIONS..... 30</p> <p>REMOTE DOWNLOADING 4</p> <p>REPORT CANCEL WINDOW, ADDRESS 2055..... 24</p> <p>RESET DAY ZONE WITH ARM/DISARM ONLY, ADDRESS 1422..... 28</p> <p>RESOUND ON WIRELESS SMOKE LOW BATTERY, ADDRESS 1424..... 28</p> <p>RF RECEIVER & SUPERVISORY TIMER OPTIONS (ADDRESS 2029-2044 & 2056)..... 50</p> <p>RF RECEIVERS (NUMBER OF), ADDRESS 2056..... 50</p> <p>RF SUPERVISORY TIMERS 50</p> <p>RF TRANSMITTER POINTS..... 10, 17</p> <p>ROTARY DIALING..... 32</p> <p>RPT EXIT ERR/RECENT CLOSE, ADDRESS 2053..... 29</p> <p>SELECT ALARM OUTPUT FOR KEYFOB CHIRP, ADDRESS 1423..... 28</p> <p>SELECTIVE BYPASS (ZONE OPTION)..... 43, 44</p> <p>SENSOR WATCH (ZONE OPTION)..... 43, 44</p> <p>SENSOR WATCH TIME, ADDRESS 2050..... 24</p> <p>SENSOR WATCH ZONES..... 7, 14, 15</p> <p>SIA (RECEIVER FORMAT)..... 30</p> <p>SILENT KNIGHT FAST (RECEIVER FORMAT)..... 30</p> <p>SINGLE DIGIT ONLY, ADDRESS 0461 30</p> <p>SINGLE DIGIT ONLY, ADDRESS 0483 30</p> <p>SINGLE DIGIT ONLY, ADDRESS 0505 30</p>
---	--

ALPHABETICAL INDEX (CONT'D)

SOUND ALARM ON EXIT ERROR, ADDRESS 2053.....	29	VERI-PHONE AUDIO PRIORITY OVER ALARMS, ADDRESS 1424.....	28
STATUS REPORT, ADDRESS 1420.....	28	VERI-PHONE ZONES TRIP PGM2 OUTPUT, ADDRESS 1424.....	28
SUM CHECK, ADDRESS 0461.....	30	WIRELESS TROUBLE ACTIVATES TELCO 1, ADDRESS 1423.....	28
SUM CHECK, ADDRESS 0483.....	30	WIRELESS TROUBLE ACTIVATES TELCO 3, ADDRESS 1423.....	28
SUM CHECK, ADDRESS 0505.....	30	WIRING DIAGRAM.....	64
SUPERVISORY TIMERS, RF.....	50	ZONE 6 TEMPERATURE SENSOR.....	42
SUPPRESS BYPASS REMINDER WHEN ARMED, ADDRESS 1421.....	28	ZONE ANDING GROUP 1-4 (ZONE OPTION).....	43, 44
SWINGER SHUTDOWN (ZONE OPTION).....	43, 44	ZONE AREA 1 (ZONE OPTION).....	43, 44
SYSTEM DELAYS & TIMEOUTS (ADDRESS 0000-0002, 1413, 1417, 2050 & 2055).....	24	ZONE AREA 2 (ZONE OPTION).....	43, 44
SYSTEM DELAYS & TIMEOUTS (ADDRESS 1418 & 1419).....	24	ZONE OPTIONS - ZONES 1 TO 16 (ADDRESS 0900-1016).....	43
SYSTEM OPTIONS (ADDRESS 0836-0871 & 2045).....	26	ZONE OPTIONS - ZONES 17 TO 32 (ADDRESS 1029-1144).....	44
SYSTEM OPTIONS (ADDRESS 1420-1424).....	28		
SYSTEM OPTIONS (ADDRESS 2051-2054).....	29		
SYSTEM OUTPUT TIMEOUTS (ADDRESS 1412 & 1414-1416).....	25		
SYSTEM PROGRAMMING OPTIONS.....	4		
SYSTEM RESPONSE ACTIVATED BY GLOBAL EVENT/ TROUBLE.....	26		
TCP/IP PANEL/SITE INITIATED FUNCTIONS (ADDRESS 2054).....	29		
TEMPERATURE DISPLAY AT KEYPAD (ADDRESS 1666- 1668).....	42		
TOTAL NUMBER OF ZONES IN AREA 1.....	6		
TOUCHPAD BACK LIGHT.....	53		
TOUCH-TONE DIALING ONLY, ADDRESS 0788.....	32		
TOUCH-TONE DIALING W/ROTARY BACKUP, ADDRESS 0788.....	32		
TROUBLE ON OPEN (ZONE OPTION).....	43, 44		
TROUBLE ON SHORT (ZONE OPTION).....	43, 44		
TROUBLE RESTORE 1 (ZONE OPTION).....	43, 44		
TROUBLE RESTORE 3 (ZONE OPTION).....	43, 44		
TROUBLE TELCO 1 (ZONE OPTION).....	43, 44		
TROUBLE TELCO 3 (ZONE OPTION).....	43, 44		
TWO-WIRE FIRE ZONES.....	13		
UNIVERSAL HIGH SPEED (RECEIVER FORMAT).....	30		
USER CODES.....	9		
USER CODES, PROGRAMMING.....	52		
USER OPTIONS.....	17		
USER PROGRAM MODE.....	4, 51		

ADDRESS NUMBER LOCATION INDEX

ADDRESS 0000	EXIT DELAY	24
ADDRESS 0000-0002	SYSTEM DELAYS & TIMEOUTS	24
ADDRESS 0001	Entry Delay	24
ADDRESS 0002	ENTRY DELAY 2	24
ADDRESS 0460	CS Receiver 1 Format	30
ADDRESS 0460-0525	CS RECEIVER OPTIONS	30
ADDRESS 0461	1400Hz Handshake/Kissoff	30
ADDRESS 0461	2300Hz Handshake/Kissoff	30
ADDRESS 0461	3/1 with Extended Restores	30
ADDRESS 0461	Enable Zone Number on Pulse Alarm	30
ADDRESS 0461	Single Digit Only	30
ADDRESS 0461	Sum Check	30
ADDRESS 0461	Enable TCP/IP AES RPT	30
ADDRESS 0482	CS Receiver 2 Format	30
ADDRESS 0483	1400Hz Handshake/Kissoff	30
ADDRESS 0483	2300Hz Handshake/Kissoff	30
ADDRESS 0483	3/1 with Extended Restores	30
ADDRESS 0483	Enable Zone Number on Pulse Alarm	30
ADDRESS 0483	Single Digit Only	30
ADDRESS 0483	Sum Check	30
ADDRESS 0483	Enable TCP/IP AES RPT	30
ADDRESS 0504	CS Receiver 3 Format	30
ADDRESS 0505	1400Hz Handshake/Kissoff	30
ADDRESS 0505	2300Hz Handshake/Kissoff	30
ADDRESS 0505	3/1 with Extended Restores	30
ADDRESS 0505	Enable Zone Number on Pulse Alarm	30
ADDRESS 0505	Single Digit Only	30
ADDRESS 0505	Sum Check	30
ADDRESS 0505	Enable TCP/IP AES RPT	30
ADDRESS 0526-0545	Callback Telephone Number	25
ADDRESS 0526-0545	DOWNLOAD/CALLBACK OPTIONS	25
ADDRESS 0546-0547	LEADING DIGITS FOR PAGER FORMAT	25
ADDRESS 0546-0547	PAGER FORMAT OPTIONS	25
ADDRESS 0560-0667	CS SUBSCRIBER ID OPTIONS	31
ADDRESS 0670-0705	CS SYSTEM REPORTING OPTIONS	32
ADDRESS 0720-0751	CS ZONE REPORTING OPTIONS	33
ADDRESS 0785	CS AREA & SYSTEM REPORTING OPTIONS	32
ADDRESS 0785	DISABLE OPENING REPORTS	32
ADDRESS 0786	CS AREA & SYSTEM REPORTING OPTIONS	32
ADDRESS 0786	DISABLE CLOSING REPORTS	32
ADDRESS 0788	Backup Report on Telco 1 & 2	32
ADDRESS 0788	Cancel Next Test Timer on any Report	32
ADDRESS 0788	CS AREA & SYSTEM REPORTING OPTIONS	32
ADDRESS 0788	Disable Auto Dial Tone Detect	32
ADDRESS 0788	Disable Wait for Handshake on Transmit	32
ADDRESS 0788	Disable Wait for Silence (Pager Format)	32
ADDRESS 0788	Touch-tone Dialing Only	32
ADDRESS 0788	Touch-tone Dialing w/Rotary Backup	32
ADDRESS 0800-0813	CS USER REPORTING OPTIONS	34
ADDRESS 0818-0831	CS USER REPORTING OPTIONS	35

ADDRESS NUMBER LOCATION INDEX (CONT'D)

ADDRESS 0836-0871	SYSTEM OPTIONS.....	26
ADDRESS 0900-1016	ZONE OPTIONS - ZONES 1 TO 16	43
ADDRESS 1029-1144	ZONE OPTIONS - ZONES 17 TO 32	44
ADDRESS 1412	PGM2 Output Timeout.....	25
ADDRESS 1412	SYSTEM OUTPUT TIMEOUTS.....	25
ADDRESS 1413	PGM2 Output Access Cntrl Timeout.....	24
ADDRESS 1413	SYSTEM DELAYS & TIMEOUTS	24
ADDRESS 1414	Alarm Output Timeout	25
ADDRESS 1414-1416	SYSTEM OUTPUT TIMEOUTS.....	25
ADDRESS 1415	Pulse Alarm Output Timeout.....	25
ADDRESS 1416	PGM1 Output Timeout.....	25
ADDRESS 1417	ABORT DELAY	24
ADDRESS 1417	SYSTEM DELAYS & TIMEOUTS	24
ADDRESS 1418	CHIME TIME	24
ADDRESS 1418-1419	SYSTEM DELAYS & TIMEOUTS	24
ADDRESS 1419	AC Fail Report Delay.....	24
ADDRESS 1420	Closing Report Only on Conditional Close.....	28
ADDRESS 1420	Disable Zone Fault Scrolling.....	28
ADDRESS 1420	Enable AutoArm if not closed at end of Window	28
ADDRESS 1420	Enable Keypad Time/Date Display	28
ADDRESS 1420	Incl. Sel./Grp. Bypass in Cond. Close /Status	28
ADDRESS 1420	Opening Report Only after Alarm Report.....	28
ADDRESS 1420	Status Report	28
ADDRESS 1420-1424	SYSTEM OPTIONS.....	28
ADDRESS 1421	Access Control on PGM2 Output.....	28
ADDRESS 1421	Auto Bell Test on Arming.....	28
ADDRESS 1421	Auto Reset after Burglary Output Timeout.....	28
ADDRESS 1421	Disable Keypad Instant Mode.....	28
ADDRESS 1421	Enable Local Alarm on First Zone AND Trip	28
ADDRESS 1421	Enable Manager's Mode.....	28
ADDRESS 1421	Maintained Keyswitch Arming.....	28
ADDRESS 1421	Suppress Bypass Reminder when Armed	28
ADDRESS 1422	Change Pulse Output to Temporal Output.....	28
ADDRESS 1422	Chirp Output on Keyfob Arm/Disarm	28
ADDRESS 1422	Disable Callback Download	28
ADDRESS 1422	Disable Keypad Function Mode Download	28
ADDRESS 1422	Enable Global Ambush Code	28
ADDRESS 1422	Enable Residential Fire	28
ADDRESS 1422	Interior Normally Bypassed.....	28
ADDRESS 1422	Reset Day Zone with Arm/Disarm Only	28
ADDRESS 1423	Enable Alarm Output on Telco Fail only when Armed.....	28
ADDRESS 1423	Enable Line-Fault Test	28
ADDRESS 1423	Enable Zone Doubling (Zones 9-16).....	28
ADDRESS 1423	Inhibit System Trouble Audible at Keypad	28
ADDRESS 1423	Line-Fault Test only when Armed	28
ADDRESS 1423	Select Alarm Output for Keyfob Chirp.....	28
ADDRESS 1423	Wireless Trouble Activates Telco 1.....	28
ADDRESS 1423	Wireless Trouble Activates Telco 3.....	28
ADDRESS 1424	Automatic Interior Bypass/Easy Exit.....	28
ADDRESS 1424	Disable 2nd Call Ans. Machine Override	28
ADDRESS 1424	Disable Code Required for EZ Bypass	28



ADDRESS NUMBER LOCATION INDEX (CONT'D)

ADDRESS 1424	Don't Clear PGM2 Output with Disarm	28
ADDRESS 1424	Resound on Wireless Smoke Low Battery	28
ADDRESS 1424	Veri-phone Audio Priority Over Alarms	28
ADDRESS 1424	Veri-phone Zones Trip PGM2 Output	28
ADDRESS 1425-1431	KEYPAD OPTIONS	41
ADDRESS 1440-1446	KEYPAD OPTIONS	41
ADDRESS 1455-1460	EZM GROUP OPTIONS	36
ADDRESS 1469-1470	AREA ARMING OPTIONS	36
ADDRESS 1473	AREA BELL CONTROL OPTIONS	37
ADDRESS 1474	AREA BELL CONTROL OPTIONS	37
ADDRESS 1477	AREA BELL CONTROL OPTIONS	38
ADDRESS 1478	AREA BELL CONTROL OPTIONS	38
ADDRESS 1481	AREA BELL CONTROL OPTIONS	39
ADDRESS 1482	AREA BELL CONTROL OPTIONS	39
ADDRESS 1485	AREA BELL CONTROL OPTIONS	40
ADDRESS 1486	AREA BELL CONTROL OPTIONS	40
ADDRESS 1489-1568	EXTERNAL RELAY CONTROL	47
ADDRESS 1666-1668	Temperature Display at Keypad	42
ADDRESS 2029-2044	RF RECEIVER & supervisory timer options	50
ADDRESS 2045	GLOBAL AMBUSH CODE	26
ADDRESS 2045	SYSTEM OPTIONS	26
ADDRESS 2050	Sensor Watch Time	24
ADDRESS 2050	SYSTEM DELAYS & TIMEOUTS	24
ADDRESS 2051	Disable [ON/OFF] as Easy Exit	29
ADDRESS 2051	Disable System Trouble Audible Timeout	29
ADDRESS 2051	Enable "K Series" Style Keypads	29
ADDRESS 2051	Enable Cancel Report to Telco 3	29
ADDRESS 2051	Enable GEM-PRINT Module	29
ADDRESS 2051	Enable Keypad Set Time/Date Message	29
ADDRESS 2051-2054	SYSTEM OPTIONS	29
ADDRESS 2052	Lug E15 Area 1 Armed Away Only	29
ADDRESS 2052	PGM on RF Transmitter Tamper	29
ADDRESS 2053	Digital Dialer Rpt Enter /Exit Test Mode	29
ADDRESS 2053	Disable Call Waiting on 1st Attempt	29
ADDRESS 2053	Enable CP-01 Egress Tones Only	29
ADDRESS 2053	Enable CP-01 Limits	29
ADDRESS 2053	Enable Keypad 1 Only Programming	29
ADDRESS 2053	Exit Time Restart	29
ADDRESS 2053	Rpt Exit Err/Recent Close	29
ADDRESS 2053	Sound Alarm On Exit Error	29
ADDRESS 2054	Enable TCP/IP Communications	29
ADDRESS 2054	TCP/IP Panel/Site Initiated Functions	29
ADDRESS 2055	Report Cancel Window	24
ADDRESS 2055	SYSTEM DELAYS & TIMEOUTS	24
ADDRESS 2056	Number of RF Receivers	50
ADDRESS 2056	RF RECEIVER & supervisory timer options	50
ADDRESS 2056	RF Receivers (number of)	50
ADDRESS 2059	DOWNLOAD/CALLBACK OPTIONS	25
ADDRESS 2059	NUMBER OF RINGS BEFORE PICKUP	25
ADDRESS 2285-2286	Clear program OPTIONS	51



NOTES

NOTES



GEM-P1632 WIRING DIAGRAM



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

GEM-P1632 WIRING DIAGRAM

(REFER TO OPERATION AND INSTALLATION INSTRUCTIONS W808)

RESIDENTIAL AND COMMERCIAL BURGLARY**

16.5V TRANSFORMER	STANDBY BATTERY	COMBINED STANDBY CURRENT	ALARM CURRENT	STANDBY CURRENT TIME
40VA/50VA	7AH	450mA	2.0A	4 HOURS
20VA*	4AH	500mA	2.0A	4 HOURS
20VA*	7AH	500mA	2.0A	6 HOURS

RESIDENTIAL FIRE

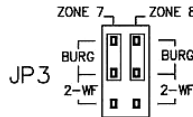
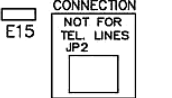
16.5V TRANSFORMER	STANDBY BATTERY	COMBINED STANDBY CURRENT	ALARM CURRENT	STANDBY TIME
40VA/50VA	7AH	120mA	520mA(1)	24 HOURS
40VA/50VA*	2-7AH	360mA	280mA(1)	24 HOURS
20VA*	7AH	120mA	360mA(1)	24 HOURS
20VA*	2-7AH	360mA	120mA(1)	24 HOURS

(1) ALARM CURRENT CAN BE INCREASED BY REDUCING STANDBY CURRENT BY THE SAME AMOUNT.

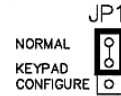
* NOT PRESENTLY EVALUATED BY U.L.

** COMMERCIAL BURGLARY IS NOT PRESENTLY EVALUATED BY U.L.

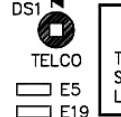
PCD LOCAL DOWNLOAD CONNECTION



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

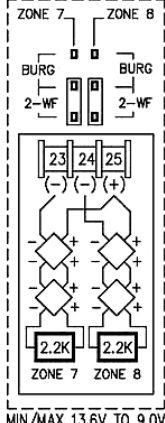


ACTIVE WHEN REPORTING

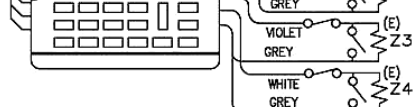
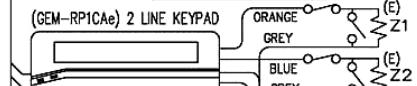
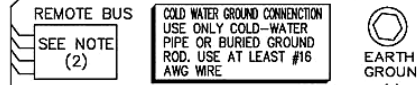
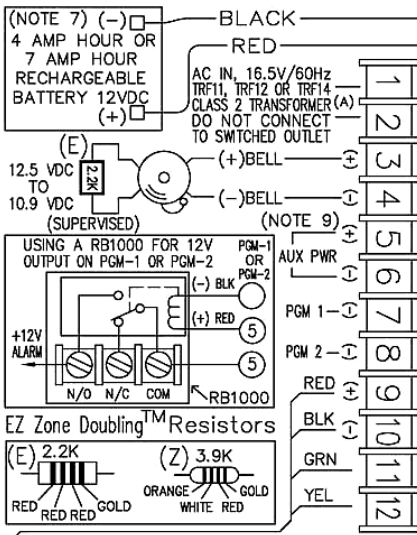


WARNING
TO PREVENT RISK OF ELECTRIC SHOCK DISCONNECT TELEPHONE LINES PRIOR TO SERVICING.

(NOTE 6) 2 WIRE SMOKE DETECTOR WIRING



MIN/MAX 13.6V TO 9.0V



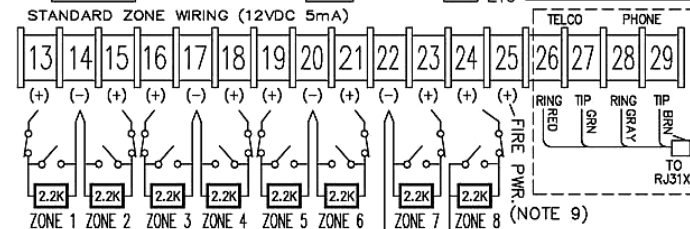
THIS UNIT INCLUDES AN ALARM VERIFICATION FEATURE THAT WILL RESULT IN A DELAY OF THE SYSTEM ALARM SIGNAL FROM THE INDICATED CIRCUITS. THE TOTAL DELAY (CONTROL UNIT PLUS SMOKE DETECTORS) SHALL NOT EXCEED 60 SECONDS. NO OTHER SMOKE DETECTORS SHALL BE CONNECTED TO THESE CIRCUITS UNLESS APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION. CIRCUIT CONTROL UNIT SMOKE DETECTORS ZONES DELAY-SEC

MODEL DELAY-SEC.

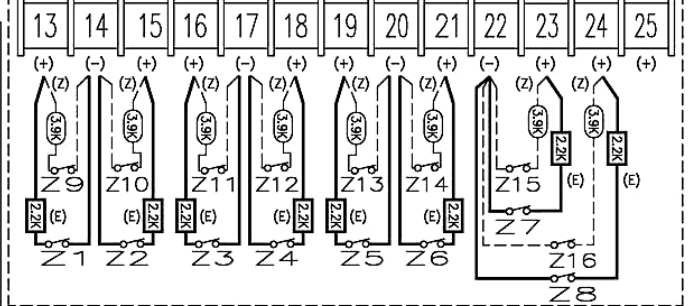
THE DELAY (POWER UP) (STARTUP) TIME MARKED ON THE INSTALLATION WIRING DIAGRAM OF THE SMOKE DETECTOR OR ON THE INSTALLED SMOKE DETECTOR(S) IS TO BE USED.

- NOTES:
- ALARM CURRENT CAN BE INCREASED BY REDUCING STANDBY CURRENT BY THE SAME AMOUNT.
 - THE FOLLOWING DEVICES MAY BE PLACED ON THE REMOTE BUS: GEM-RP1CAe2, GEM-RP2ASe2, GEM-EZM816, GEM-X10, GEM-RECV8, GEM-RECV16, RM3008, GEM-EVA1, WIZARD2, GEM-K1CA, GEM-K2AS, GEM-K3DGLT AND GEM-RECV96.
 - REFER TO W808 FOR U.L. LISTINGS.
 - COMBINED STANDBY CURRENT = KEYPAD CURRENT + AUX CURRENT + FIRE POWER + PGM1 AND PGM2 CURRENT.
 - UNIT INTENDED TO BE MOUNTED VERTICAL ON WALL.
 - REFER TO W808 FOR COMPATIBLE TWO WIRE SMOKE DETECTORS. DO NOT MIX DIFFERENT MODELS.
 - RECOMMENDED BATTERIES YUASA NP4-12 OR NP7-12. BATTERY SHOULD BE REPLACED EVERY 5 YEARS.
 - THIS PANEL SHALL BE CHECKED BY A QUALIFIED TECHNICIAN AT LEAST ONCE EVERY 3 YEARS.
 - AUX. POWER AND FIRE POWER VOLTAGE RATING: 12.5 VDC TO 11.7 VDC. THE PANEL WILL DISREGARD INPUTS FROM ALL SENSORS WHEN VOLTAGE DROPS BELOW 8.5V
 - A.C MUST BE DISCONNECTED WHEN PERFORMING WEEKLY TESTS.
 - THIS PANEL ONLY SUPPORTS ONE SMOKE DETECTOR IN ALARM FOR EACH ZONE.
 - DISABLE AUTO-RESET ON NON-FIRE ZONES FOR SIA CP-01 INSTALLATIONS.
 - DESIGN EVALUATED BY UL IN ACCORDANCE WITH SIA CP-01 CONTROL PANEL STANDARD FEATURES FOR FALSE ALARM REDUCTION.

LA1469G



EZ Zone Doubling™ Wiring (ONLY FOR N.C. BURG. ZONES)



4 WIRE SMOKE DETECTOR WIRING

