INSTALLATION INSTRUCTIONS

NAPCO ®

GEM-RP3DGTL
Digital Keypad

This Guide includes programming instructions for the following control panels:
- **GEM-P816**
- **GEM-P1632**
- **GEM-P3200**
- **GEM-P9600**

GEMINI

17   INTERIOR   BYPASS   FIRE/TBL   SYS TBL   CHIME

ARMED STATUS

					NEXT/YES
A	1	2	3	D	E
B	4	5	6		F PRIOR/NO
C	7	8	9	O	G AREA

COMPUTERIZED SECURITY SYSTEM

GEM-RP3DGTL Keypad

Quick Start:

1. **Referring to the control panel wiring diagram, connect siren, aux. power, pgm. output, remote bus, earth ground, zone and telephone wiring.**
   NOTE: See Installation Instructions for the appropriate control panel.

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

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

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

   Press **4   5   6   7   8   9   A**

   Dealer Code

   > For the GEM-P3200 and GEM-P9600, use the Master Security Code printed on the control panel microprocessor shield.

   Press NO(**F**) **Until "17" appears on the keypad display.**

   Press YES (**E**) **To Enter Easy Menu Driven Dealer Program Mode.**

   The Easy Menu Driven Program Mode will allow you to complete all basic programming functions by answering questions which will allow the automatic programming of the control panel.

This guide is to be used in conjunction with the Programming Instruction Manual for the respective control panel.

GEM-P816	-	**WI995**
GEM-P1632	-	**WI897**
GEM-P3200	-	**WI818**
GEM-P9600	-	**WI777**

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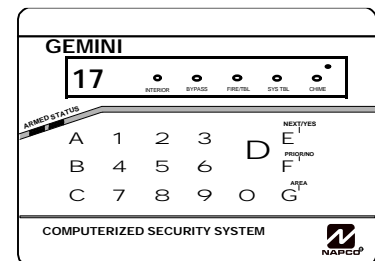
INTRODUCTION

The GEM-RP3DGTL is a dual 7-segment digital keypad that is compatible with the NAPCO GEM-Series GEM-P816, P1632, P3200 & P9600 control-panels. Refer to User Guide OI249 for operation instructions. While the GEM-RP3DGTL may be used to fully program the control, the GEM-RP1CAe2 keypad provides the optimum in ease of keypad programming.

SPECIFICATIONS

Operating Voltage: 12 V DC (supplied by panel)
Current Drain:50 mA Standby
Dimensions: 4 3/8" x 5 7/8" x 11/16"
   Note: Subtract keypad current from combined auxiliary current of the control panel.

MOUNTING THE KEYPAD

A keypad should be located near each exit/entry door. To open the case, insert a screwdriver into either slot at the bottom and push up with a slight twisting motion to release the retainer tab. Repeat for the other slot. Pull out at the bottom and lift off the two hooks at the top.

The GEM-RP3DGTL features a handy pull-up reference label. (This label must be used in UL installations.) Before mounting the keypad onto the wall, push the Sliding Label Plate (with label and felt backing affixed and handle facing forward) down the guides at the rear of the keypad until it snaps into place. Once installed, the Sliding Label Plate cannot be removed without first removing the keypad from the wall. Note: The keypad fire and panic keys should not be considered a substitute for a listed manual initiating device, such as a pull box.

If installing onto a double-gang box, insert mounting screws through the two vertical elongated holes on the left side of the case and into the box. If the box is visible when viewed from the front, adjust the keypad vertically and tighten the screws. Then, using hardware suitable for the mounting surface, add one or two screws at the right side of the keypad case directly into the wall to ensure a secure installation. Note: *Do not over tighten the screws!* Uneven walls may cause the keypad case to distort.

WIRING

Connect the keypad wires to the control panel terminals shown in the table at the right.
Caution: Do not run keypad wiring with loop wiring.

COLOR	TERMINAL
RED	9
BLACK	10
GREEN	11
YELLOW	12
WHITE	N/O PANIC
WHITE	N/O PANIC

* Cut and insulate 2 white wires if not used.

KEYPAD CONFIGURATION

Up to 7 GEM-RP3DGTL keypads may be connected to the control panel (Keypads 1–7). Each must be config-   ured for a keypad address. In addition, the keypad may be configured to disable touchpad backlight and entry sounder. Keypads are configured by the proper selection of jumpers. Refer to the label on the keypad circuit board for jumper locations and a summary of settings.

KEYPAD ADDRESS

If more than one keypad is installed:
- Each must be assigned a unique address (that is, no two keypads may be numbered alike).
- Keypads must be addressed consecutively (that is, missing numbers are not permitted).
- Only Keypad No. 1 may be used for programming. (However, for ease of programming, it is recommended that a GEM-RP1CA/ RP1CAe/RP1CAe2 be selected as Keypad #1.)
- Assign the keypad address number by selecting Jumpers J1–3 in accordance with the table below.

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

TOUCHPAD BACK LIGHT

Cut Jumper A to disable touch pad back lighting.

DISABLE SOUNDER

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

ENABLE KEYPAD TAMPER

Cut Jumper D to enable Keypad Tamper.

ENABLE TAMPER LED

Cut Jumper E to covert the Keypad CHIME LED to a SYSTEM TAMPER LED. (Only on control panels which support system tamper)

KEYPAD NUMBER	JUMPER SETTINGS			
	1	2	3	PARK
1	OFF or ON	•	•	
2	•	ON		STORE SPARE
3	ON	ON		JUMPERS
4	•	•	ON	IN THIS
5	ON	•	ON	POSITION
6	•	ON	ON	
7	ON	ON	ON	

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EASY PROGRAM MODE OVERVIEW

ENTERING THE EASY KEYPAD PROGRAM MODE
1 Enter the Dealer Security Code (default = 456789) for a new panel or enter your custom Dealer Program Code if programmed and press **A**

2 Press NO (**F**) repeatedly until function "**17**" (Activate Program Mode) is displayed.

   NOTE: If you pass "**17**" you can scroll back by pressing **B** .

3 Press YES (**E**) to enter the Dealer Program Mode.

Use the following guide to answer the Easy Program Mode questions which will quickly allow you to create a custom default program. Press **A** to set cursor, NEXT (**E**) to go forwards, PRIOR (**F**) to go backwards, **J** to save and **C** twice to exit the Easy Program Mode .

ANSWERING A QUESTION IN THE EASY PROGRAM MODE
The Easy Program Mode the questions will be in the form of a 2 digit number flashing in the digital display.
Pressing **A** will set the cursor into the next field to answer the question.

Using this book as a guide, enter the appropriate data in response to each question and then press **J** to save.

If no additional programming is necessary for the question, press NEXT (**E**) to go to the next question.

REVIEWING THE DATA ENTRY IN THE EASY PROGRAM MODE
The data entered in response to an Easy Program Mode question may be reviewed before saving.

- After entering the data before pressing **J** to save, **A** may be pressed until the 2 digit question number appears flashing in the display again.

- Pressing **A** will step through all the fields of the question for review and will then result in the 2 digit question number flashing in the display again.

   If the data is correct, press **J** to save.

   If the data is not correct, press **A** to set the cursor into the next field and again enter the appropriate data.

Note: The contents of an Easy Program Mode question may be reviewed after the initial programming of the control, with the exception of the questions which are marked (Appears for New Panel Only). These questions set up the basic structure of the control panel program (Number of zones in an area, etc.) and cannot be viewed or altered once set.

EXITING THE DEALER PROGRAM MODE
If in the Easy Program Mode, press **C** to enter the Direct Address Program Mode. Press the **C** button once again to end all programming and resume normal keypad operation.

RESETTING THE CONTROL PANEL TO FACTORY DEFAULT
If necessary, the control panel can be returned to the factory default and be re-programmed from scratch.

- For the GEM-P816 and GEM-P1632, enter the address program mode, go to location 1198 and press **J**

   (A   1   1   9   8   J)

- For the GEM-P3200 and GEM-P9600, enter the address program mode, go to location 4093 and press **J**

   (A   4   0   9   3   J)

01 ○ INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME ○

—— ○ INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME ○

(Direct Entry)

Total Number of Zones in Area 1 *(Appears for New Panel Only)*
Press the **A** button and then directly enter the total number of zones to be programmed for Area 1. Valid entries are from 01 to 32. Directly enter the total number of zones, including leading zeros. Use number buttons **1** through **9**. **NOTE:** Press the **0** button for a zero. The system is based on groups of 4 zones each (after the first 8 zones), and will automatically round up to the next group of 4. For example, if you enter 18, it will automatically convert this to 20 zones. Press **J** to save. Press NEXT (**E**) 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.

03 ○ INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME ○

—— ○ INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME ○

(Press YES or NO)

Panel Zone Doubling? *(Appears for New Panel Only) (GEM-P1632 only)*
Press the **A** button. If the total number of zones in Area 1 entered was 16 or greater, press YES (**E**) to effectively double the capacity of the control panel's hard wired zones from 8 to 16. The 16 zones will no longer be EOL 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 NO (**E**). **NOTE:** Answer NO for GEM-P816

04 ○ INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME ○

—— ○ INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME ○

(Press YES or NO)

Fire Zones in Area 1 *(Appears for New Panel Only)* Press the **A** button and then directly 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 **J** to save, and then repeat for any additional zone(s). Press NEXT (**E**) button to proceed.

05 ○ INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME ○

—— ○ INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME ○

(Press YES or NO)

2-Wire Fire Zones in Area 1 *(Appears for New Panel Only)* Press the **A** button and then directly 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 **J** to save and then repeat for any additional zone(s).

NOTE: Only zones which have been designated as Fire Zones may be programmed as 2 Wire Fire zones. Press NEXT (**E**) button to proceed.
NOTE: JP3 must be set to "2-WF" position for 2-wire fire zones for zones 7 and 8 (refer to Installation Instructions).

06 ○ INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME ○

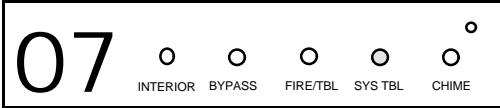—— ○ INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME ○

(Yes or No)

Report all Zones to Central Station? *(Appears for New Panel Only)*
Press YES (**E**) button for all zones to report to central station; press NO (**F**) button for no zones to report (LOCAL SYSTEM).

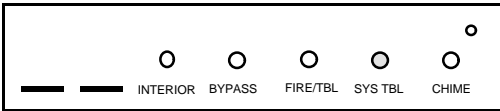**07** ○ ○ ○ ○ ○
INTERIOR BYPASS FIRE/TBL SYS TBL CHIME

__ __ ○ ○ ○ ○ ○
INTERIOR BYPASS FIRE/TBL SYS TBL CHIME

(Direct Entry)

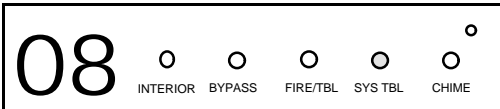### Entry/Exit Zones in Area 1 *(Appears for New Panel Only)*
Press the **A** button and then directly enter the zone number of any zones which are to be used as Entry/Exit zones. Valid entries are from 01 to 32. Directly enter each zone number, including leading zeros.
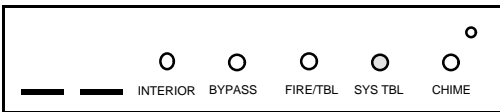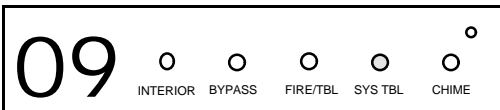Use number buttons **O** through **9** .
Press **J** to save and then repeat for any additional zone(s). Press NEXT (**E**) button to proceed. **NOTE:** Chime will automatically be programmed for all E/E zones.

08 ○ ○ ○ ○ ○
INTERIOR BYPASS FIRE/TBL SYS TBL CHIME

__ __ ○ ○ ○ ○ ○
INTERIOR BYPASS FIRE/TBL SYS TBL CHIME

(Direct Entry)

Interior Zones in Area 1 *(Appears for New Panel Only)*
Press the **A** button and then directly enter the zone number of any zones which are to be used as Interior Zones. Valid entries are from 01 to 32. Directly enter each zone numb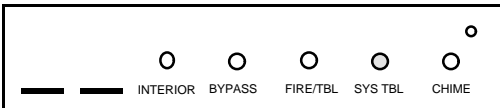er, including leading zeros. Use number buttons **O** through **9** . Press **J** to save and then repeat for any additional zone(s). Press NEXT (**E**) button to proceed. **NOTE:** All Interior zones will also be automatically programmed as "Exit/Entry Follower" zones.

09 ○ ○ ○ ○ ○
INTERIOR BYPASS FIRE/TBL SYS TBL CHIME

__ __ ○ ○ ○ ○ ○
INTERIOR BYPASS FIRE/TBL SYS TBL CHIME

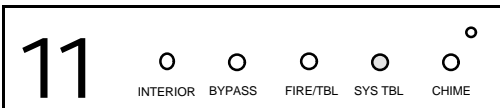(Direct Entry)

Number of Keypads in Area 1
Press the **A** button and then 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 **O** through **9** . Press **J** to save . Press NEXT (**E**) button to proceed.
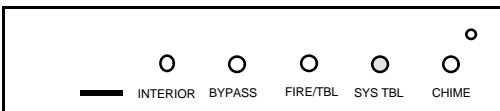**NOTE:** Area 2 keypads can only be assigned in Direct Address Programming. See Keypad Options.

11 ○ ○ ○ ○ ○
INTERIOR BYPASS FIRE/TBL SYS TBL CHIME

__ ○ ○ ○ ○ ○
INTERIOR BYPASS FIRE/TBL SYS TBL CHIME

(Direct Entry)

Central Station Receiver 1 Telephone Number
Press the **A** button and using the number buttons, directly enter telephone number of up to 16 digits including prefix, if necessary, for receiver 1.
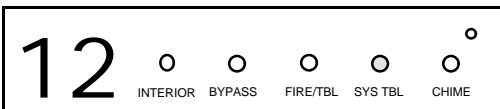

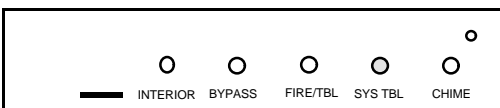Central Station Receiver 1 Telephone Number

NOTE: Central Station Receiver 2 and 3 Telephone Numbers can be entered in Direct Address Programming. See CS Reporting Options.
Press **J** to save . Press NEXT (**E**) button to proceed.

12 ○ ○ ○ ○ ○
INTERIOR BYPASS FIRE/TBL SYS TBL CHIME

__ ○ ○ ○ ○ ○
INTERIOR BYPASS FIRE/TBL SYS TBL CHIME

(Direct Entry)

Central Station Receiver 1 Account Number
Press the **A** button and then directly enter an account number of up to four digits.
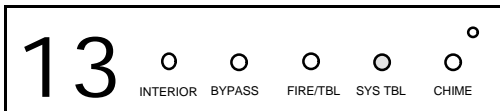

Central Station Account #

NOTE: Central Station Receiver 2 and 3 Account Numbers can be entered in Direct Address Programming. See CS Reporting Options.
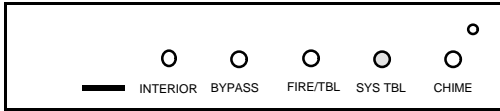
For Central Station Telephone and Account Numbers: Use number buttons **1** through **9** for digits 1–9; press **G O** for a zero and **G 1** through **G 5** for letters B–F, respectively. **NOTE:** Pre-Dial Delay = "D"; Dial-Tone Detection = "E". Pressing the **O** button will produce a blank space (•).

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Central Station Receiver 1 Format

13 ○ INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME ○

— INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME ○

(Direct Entry)

From the table below, enter the central station's receiver format. Use number buttons **1** through **9** . **NOTE:** Press **G** **0** for a zero and **0** for a blank space (•). Press **G** **1** through **G** **4** for letters B–E, respectively. Press **J** to save. Press NEXT (**E**) 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, CD, Franklin Slow**

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

Enter User Codes

14 ○ INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME ○

— INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME ○
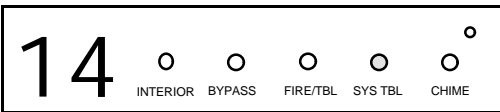
(Direct Entry)

For default program, enter up to 32 User Codes, with Area 1 and Area 2 Options. Press the (**A**) button once to set the cursor to the User Code.
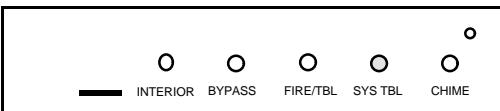
Use the number buttons **0** through **9** to enter the User Number, followed by a User Code of up to 6 digits. Enter **G** **0** for a blank.

NOTE: If "Enable Global Ambush Code"(Address 0720) is enabled and "Global Ambush Code" (Address 1054) is left blank(•), *do not* program the first two digits of ANY User Code as '99'.

User #	User Code	Area 1 Options	Area2 Options
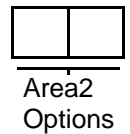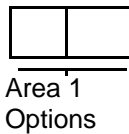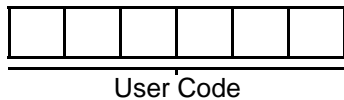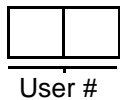
NOTE: When entering the Area 1 and Area 2 options, press **G** **0** for a ten. Enter **0** for a blank.

USER AREA OPTIONS - Select the desired Area Options (Area 1 and Area 2) from the table below.			
DATA ENTRIES		**OPTION ENABLED**	
L	**R**		**EXPLANATION**
blank(•)	blank(•)	Disabled	User Code not active in this area.
blank(•)	1	Arm/Disarm	Allows User Code to arm/disarm this area.
blank(•)	2	Arm Only	Prevents User Code from disarming this area.
blank(•)	3	Service	A Service Code has restricted arm/disarm rights; if an area is armed with a Service Code, 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.
blank(•)	4	Access	This is normally used to activate a door striker while an area is disarmed. Also program "Access Control on PGM2 Output" (Address 0719) and "PGM2 Output Access Control Timeout" (Address 0711).
blank(•)	Add 8	* User Program	User Program Option is enabled for Keypad 1 only, wherever it is connected (Area 1 or Area 2).

- Press **J** to save. To proceed to the next User Code, press the **A** button to set the cursor to the User Number and change it using the number buttons.
- If the programmed code was less than 6 digits, enter blanks **G** **0** for the remaining digits.

Example: Program a code of "2222" for user 02, with area 1 options of "Arm/Disarm" and "User Program":

Enter **0** **2** for the user number, **2** **2** **2** **2** **G** **0** **G** **0** for a user code, **G** **0** **9** "(blank) 9" for area 1 options and **G** **0** **G** **0** "(blank) (blank)" for area 2 options.

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

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15 ○ ○ ○ ○ ○
INTERIOR BYPASS FIRE/TBL SYS TBL CHIME

___ ○ ○ ○ ○ ○
INTERIOR BYPASS FIRE/TBL SYS TBL CHIME
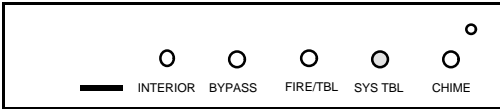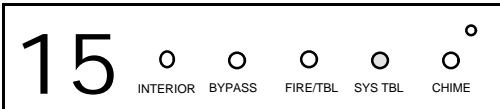
(Direct Entry)

RF Transmitter Programming
(For wireless systems only. Also see Quick Method, which follows)
Press the **A** button and for each transmitter (key fob transmitters also), then directly enter:

1 The zone number (01–32) to which the transmitter will be mapped, including leading zeros.
2 The 6-digit RF ID # printed on the transmitter and box.
3 The 1-digit checksum number (C) printed on the transmitter and box.
4 The Point number (1–4) (P); *enter "9" for unsupervised* (all points).

Press **J** to save. Then go to step 1 to enter next transmitter. When all transmitters are entered, press NEXT (**E**) button to proceed.
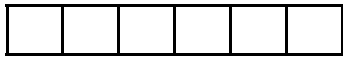
Zone #   6-digit RF ID #   Checksum #   Point #

NOTE: When programming the RF ID number:
"A" = **G 0** ; "B" = **G 1** ;
"C" = **G 2** ; "D" = **G 3** ;
"E" = **G 4** ; "F" = **G 5** .

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

1. Enter the zone number to which the transmitter point will be mapped.

2. Press the **B** 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 once 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 GEM-TRANS2 transmitter has the RF ID number 410078:1. Map both points to Zones 11–12, respectively.
1. Enter the Enroll mode as described in step 2 above.

2. Enter Zone "11".

3. Open the loops of points 1 and 2.

4. Install the transmitter battery. The keypad will beep 3 times to indicate that three points have been programmed.
   - Transmitter 410078:1, point 1 will be mapped to Zone 11.
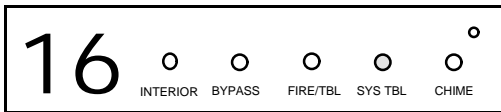   - Transmitter 410078:1, point 2 will be mapped to Zone 12.

The keypad will now display Zone 12, the last zone enrolled.

Example 2. A GEM-TRANS2 transmitter has the RF ID number 287613:1. Map point 1 to Zone 6 and point 2 to Zone 9.
1. Enter the Enroll mode as described above.

2. Enter Zone "06".

3. Open point-1 loop.

4. Install the battery. The keypad will beep once to indicate that one point has been programmed. (Transmitter 287613:1, point 1 will be mapped to Zone 6.)

5. Enter Zone "09".

6. Close point-1 loop and open point-2 loop.

7. Remove the transmitter battery, then re-install it. The keypad will beep once to indicate that one point has been programmed. (Transmitter 287613:1, point 2 is mapped to Zone 9.)

KEY FOB ZONE ASSIGNMENT: Key fobs can also be assigned to zones to allow multiple wireless panic buttons on one alarm system, each reporting to a central station, or pager while having a description on the keypad that describes the person holding the key fob, the location where the person holding the key fob is stationed, or the special purpose of the key fob button being depressed. *See the next page on Key fob Zone Assignment.*
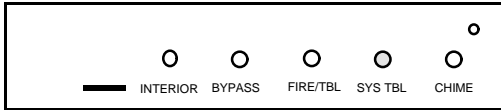
Key Fob Transmitters

Keyfobs can be programmed as "Arm/Disarm" devices using the **ON** and **OFF** buttons (refer to control panel installation instructions).

Press the **A** button and for each Key Fob Transmitter, enter:

1 The Key Fob Transmitter number (01–15).

2 The area number to which transmitter is assigned (1 or 2); enter 0 to disable keyfob.

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

4 The 1-digit checksum number printed on transmitter.

5 The Aux-1 Option (see key fob Aux 1 & Aux 2 options).

6 The Aux-2 Option (see key fob Aux 1 & Aux 2 options).

DATA ENTRY	AUX 1/AUX 2 OPTIONS
•(blank)	None
9	Keypad Panic
0	Aux K.P. Panic
B	Instant
C	Toggle Aux Relay
D	Access Control

KeyFob #   Area #   6-digit RF ID #   Checksum #   Aux1 #   Aux2 #

Press **J** to save. Then go to step 1 to enter next Key Fob.

When all Key Fobs are entered, press NEXT (**E**) button to proceed.

Note: If the Key Fob is converted for Two Button "Emergency Use" (by cutting an internal jumper), both top or bottom buttons must be depressed to activate an alarm. In this case, the Key Fob may not be used to arm or disarm the contrl panel.

NOTE: When programming the ID Code number:

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

Key Fob Zone Assignment

Each of the 4 key fob buttons can be assigned to a zone. For example, On button = point 1; Off button = point 2; A1 = point 3; A2 = point 4. Up to 32 key fobs (using 1 button) or 16 key fobs (using 2 buttons) or 8 key fobs (using all 4 buttons) or any combination up to a maximum of 32 controlled zones can be assigned, providing multiple wireless panic buttons on a system, each reporting to the Central Station or a pager and/or annunciating on a keypad the key fob zone number with description/location. *To assign a key fob to a zone:* program the 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 key fob (either one will activate the zone alarm output). **NOTE:** If assigning a key fob to a zone, the "ON/OFF" buttons on the key fob will no longer arm/disarm the system. The key fob is converted to a "panic only" device.

ZONE DESCRIPTIONS: GEM-R3DGTL cannot be used to enter Zone Descriptions. To enter Zone Descriptions you must use the *GEM-RP1CAe2 Keypad or the Napco Quickloader Software.*
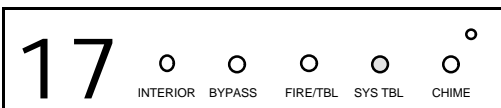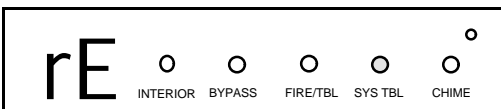
Dealer Code

Press the **A** button directly enter the Dealer Code (default = 456789), including leading zeros. Use the **1** through **9** buttons. NOTE: Press the **0** button for a zero. Press **J** to save.
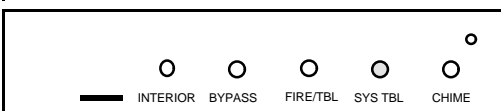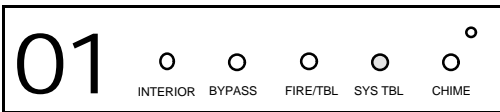
Re-enter the Dealer Code.

Press **J** to save. Press NEXT (**E**) button to proceed.

(Direct Entry)

EXIT DEALER PROGRAM MODE: This completes the custom default program. Press the **C** button to enter the Direct Address Program Mode for further programming or press the **C** button once again to end all programming and resume normal keypad operation.
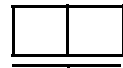
9

01 ○ INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME °

___ ___ ○ INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME °

(Direct Entry)

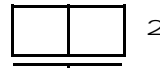### Total Number of Zones and Keypads in Area 1.
Total Number of Zones and Keypads in Area 2.
(Appears for New Panel Only)

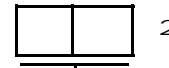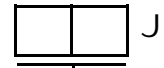|	**2**		**2**		**2**		**J**
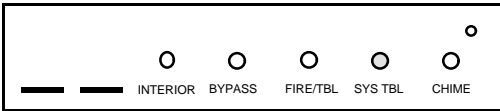
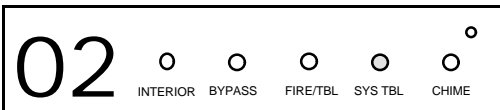Press **3** to select # of zones in Area 1   Press **3** to select # of K/Ps in Area 1   Press **3** to select # of zones in Area 2   Press **3** to select # of K/Ps in Area 2
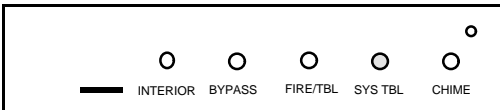
1 Press the **A** button and then press **3** to select the total number of zones to be programmed for Area 1. Valid entries are from 08 to 24 in multiples of 4.

2 Press **2** and press **3** to select the total number of keypads to be programmed for Area 1.

 If no zones are to programmed for Area 2, press **J** to save followed by NEXT (**E**) to proceed.

3 If Area 2 is to be programmed, press **2** and then press **3** to select the total number of zones to be programmed for Area 2.

4 Press **2** and press **3** to select the total number of keypads to be programmed for Area 3.

Note: the first zone of Area 1 (and Area 2, if selected) will automatically be programmed as an Exit/Entry zone with an entry delay of 30 seconds and an exit delay of 60 seconds. The second zone will be programmed as an Exit/Entry Follower Zone. In a single-area system, Zone 8 will be programmed as a 2-Wire Fire Zone (set Jumper JP7 to configure zone 8 for 2 Wire Fire). In a two-area system, zones 7 and 8 will be programmed as 2-Wire Fire Zones and will be common to both areas (set Jumper JP7 to configure zone 7 and 8 for 2 Wire Fire).
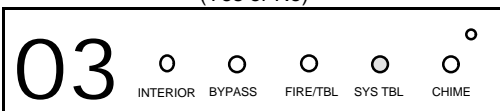
02 ○ INTERIOR ○ BYPASS ○ FIRE/TBL ● SYS TBL ○ CHIME °

___ ○ INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME °

(Yes or No)

Report all Zones to Central Station? *(Appears for New Panel Only)*
Press YES (**E**) button for all zones to report to central station; press NO (**F**) button for no zones to report (LOCAL SYSTEM).

03 ○ INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME °

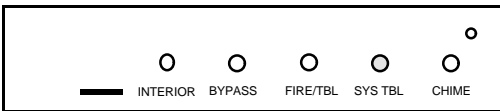___ ○ INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME °

(Direct Entry)

Central Station Receiver 1 Telephone Number
Press the **A** button and using the number buttons, directly enter telephone number of up to 16 digits including prefix, if necessary, for receiver 1.

Central Station Receiver 1 Telephone Number

NOTE: Central Station Receiver 2 and 3 Telephone Numbers can be entered in Direct Address Programming. See CS Reporting Options.
Press **J** to save . Press NEXT (**E**) button to proceed.

04 ○ INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME °

___ ○ INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME °

(Direct Entry)

Central Station Receiver 1 Account Number
Press the **A** button and then directly enter an account number of up to four digits.

Central Station Account #

NOTE: Central Station Receiver 2 and 3 Account Numbers can be entered in Direct Address Programming. See CS Reporting Options.
Press **J** to save. Press NEXT (**E**) button to proceed.

For Central Station Telephone and Account Numbers: Use number buttons **1** through **9** for digits 1–9; press **G** **0** for a zero and **G** **1** through **G** **5** for letters B–F, respectively. **NOTE:** Pre-Dial Delay = "D"; Dial-Tone Detection = "E". Pressing the **O** button will produce a blank space (•).

Programming the GEM-P3200 & GEM-P9600

05 (Direct Entry)

INTERIOR BYPASS FIRE/TBL SYS TBL CHIME

INTERIOR BYPASS FIRE/TBL SYS TBL CHIME

(Direct Entry)
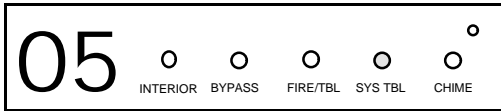
Central Station Receiver 1 Format

From the table below, enter the central station's receiver format. Use number buttons **1** through **9**. **NOTE:** Press **G O** for a zero and **O** for a blank space (•). Press **G 1** through **G 4** for letters B–E, respectively. Press **J** to save. Press NEXT (**E**) button to proceed.

NOTE: Central Station Receiver 2 and 3 Formats can only be entered in Direct Address Programming. See CS Receiver Options.
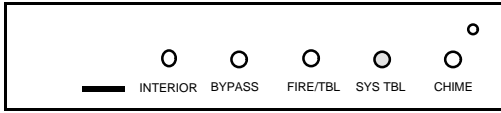
DATA ENTRY	CS RECEIVER 1 FORMAT
•(blank)	Ademco Slow, Silent Knight Slow
1	Sescoa, Vertex, DCI, Franklin Fast
2	Radionics Fast
3	Silent Knight Fast

DATA ENTRY	CS RECEIVER 1 FORMAT
4	Radionics, DCI, Franklin Slow
5	Universal High Speed
8	Radionics BFSK
9	FBI 4/3/1

DATA ENTRY	CS RECEIVER 1 FORMAT
0	Radionics Modem 2
B	SIA
C	Ademco Point ID
D	Ademco Expres
E	Pager

06

INTERIOR BYPASS FIRE/TBL SYS TBL CHIME

INTERIOR BYPASS FIRE/TBL SYS TBL CHIME
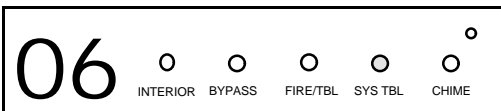
(Direct Entry)

Enter User Codes

For default program, enter up to 8 User Codes for Area 1 (Users 1 - 8) and up to 8 User Codes for Area 2 (Users 9 - 16) . Press the (**A**) button once to set the cursor to the User Number.
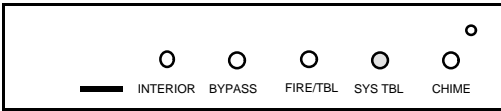
When programming User Options, Authority Level and Access Keypads:
"A" = **G O** ; "B" = **G 1** ; "C" = **G 2** ;
"D" = **G 3** ; "E" = **G 4** ; "F" = **G 5** .

1 Enter the User Number to be programmed, including leading zeros. Use the number buttons **O** through **9**.
2 Enter a User Code of up to 6 digits. Use the number buttons **O** through **9** to enter the code followed by **G O** for each blank.
3 Enter the User Options. Refer to the User Option table below.
4 Enter the Authority Level. Refer to the Authority Level table below.
5 If this code is to be used to activate a door strike, assign the User to the appropriate access control keypad from the Access Control Keypad table below.

User #   User Code   Option   Level   Access Control
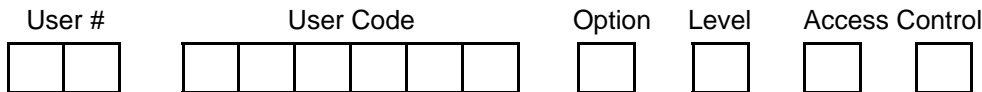
USER OPTIONS

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

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

ACCESS CONTROL KEYPADS

DATA ENTRIES	K.P. 5	K.P. 6	K.P. 7
blank (•)	NONE		
1	Y		
2		Y	
3	Y	Y	
4			Y
5	Y		Y
6		Y	Y
7	Y	Y	Y

ACCESS CONTROL KEYPADS

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

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

11

07
INTERIOR BYPASS   FIRE/TBL SYS TBL CHIME

─── INTERIOR BYPASS   FIRE/TBL SYS TBL CHIME
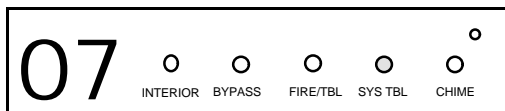
(Direct Entry)

RF Transmitter Programming
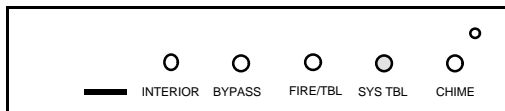*(For wireless systems only. Also see Quick Method, which follows)*
Press the **A** button and for each transmitter and directly enter:

1 The zone number (01–96) to which the transmitter will be mapped, including leading zeros.
2 The 6-digit RF ID # printed on the transmitter and box.
3 The 1-digit checksum number (C) printed on the transmitter and box.
4 The Point number (1–4) (P); *enter "9" for unsupervised* (all points).

Press **J** to save. Then go to step 1 to enter next transmitter. When all transmitters are entered, press NEXT (**E**) button to proceed.

Zone #   6-digit RF ID #   Checksum #   Point #

NOTE: When programming the ID Code number:
"A" = **G 0** ; "B" = **G 1** ;
"C" = **G 2** ; "D" = **G 3** ;
"E" = **G 4** ; "F" = **G 5** .

Quick Method. If a receiver is already installed in the panel, Napco transmitter wireless points can be programmed automatically ("enrolled") using the following procedure. **NOTE:** The transmitter point will be enrolled only if the signal strength is 3 or greater.
1. Enter the zone number to which the transmitter point will be mapped.
2. Press the **B** 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).
4. Install the transmitter battery. The keypad will beep once 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 11–12, respectively.
1. Enter the Enroll mode as described in step 2 above.
2. Enter Zone "11".
3. Open the loops of points 1 and 2.
4. Install the transmitter battery. The keypad will beep 3 times to indicate that three points have been programmed.
- Transmitter 410078:1, point 1 will be mapped to Zone 11.
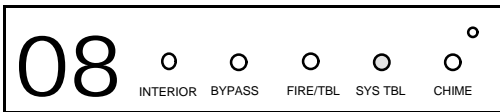- Transmitter 410078:1, point 2 will be mapped to Zone 12.

The keypad will now display Zone 12, 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.)

KEY FOB ZONE ASSIGNMENT: Key fobs can also be assigned to zones to allow multiple wireless panic buttons on one alarm system, each reporting to a central station, or pager while having a description on the keypad that describes the person holding the key fob, the location where the person holding the key fob is stationed, or the special purpose of the key fob button being depressed. *See the next page on Key fob Zone Assignment.*
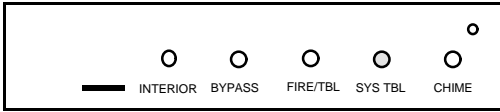
08 ○ ○ ○ ○ ○ °
INTERIOR BYPASS FIRE/TBL SYS TBL CHIME

── ○ ○ ○ ○ ○ °
INTERIOR BYPASS FIRE/TBL SYS TBL CHIME

(Direct Entry)

Key Fob Transmitters

Keyfobs can be programmed as "Arm/Disarm" devices using the **ON** and **OFF** buttons (refer to control panel installation instructions).

Press the **A** button and for each Key Fob Transmitter, enter:

1 The Key Fob Transmitter number (01–15).

2 The area number to which transmitter is assigned (1-8); enter 0 to disable keyfob.

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

4 The 1-digit checksum number printed on transmitter.

5 The Aux-1 Option (see key fob Aux 1 & Aux 2 options).

6 The Aux-2 Option (see key fob Aux 1 & Aux 2 options).

DATA ENTRY	AUX 1/AUX 2 OPTIONS
•(blank)	None
9	Keypad Panic
0	Aux K.P. Panic
B	Instant
C	Toggle Aux Relay
D	Access Control

☐☐   ☐   ☐☐☐☐☐☐   ☐   ☐   ☐
KeyFob #   Area #   6-digit RF ID #   Checksum #   Aux1 #   Aux2 #

Press **J** to save. Then go to step 1 to enter next Key Fob.

When all Key Fobs are entered, press NEXT (**E**) button to proceed.

Note: If the Key Fob is converted for Two Button "Emergency Use" (by cutting an internal jumper), both top or bottom buttons must be depressed to activate an alarm. In this case, the Key Fob may not be used to arm or disarm the contrl panel.

NOTE: When programming the ID Code number:
"A" = **G O** ; "B" = **G 1** ;
"C" = **G 2** ; "D" = **G 3** ;
"E" = **G 4** ; "F" = **G 5** .

Key Fob Zone Assignment *(refer to display as shown on the previous page: press the (**F**) button to go backwards.)*

Each of the 4 key fob buttons can be assigned to a zone. For example, On button = point 1; Off button = point 2; A1 = point 3; A2 = point 4. Up to 32 key fobs (using 1 button) or 16 key fobs (using 2 buttons) or 8 key fobs (using all 4 buttons) or any combination up to a maximum of 32 controlled zones can be assigned, providing multiple wireless panic buttons on a system, each reporting to the Central Station or a pager and/or annunciating on a keypad the key fob zone number with description/location. *To assign a key fob to a zone:* program the 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 key fob (either one will activate the zone alarm output). **NOTE:** If assigning a key fob to a zone, the "ON/OFF" buttons on the key fob will no longer arm/disarm the system. The key fob is converted to a "panic only" device.

ZONE DESCRIPTIONS: GEM-RP3DGTL cannot be used to enter Zone Descriptions. To enter Zone Descriptions you must use the *GEM-RP1CAe2 Keypad or the Napco Quickloader Software.*
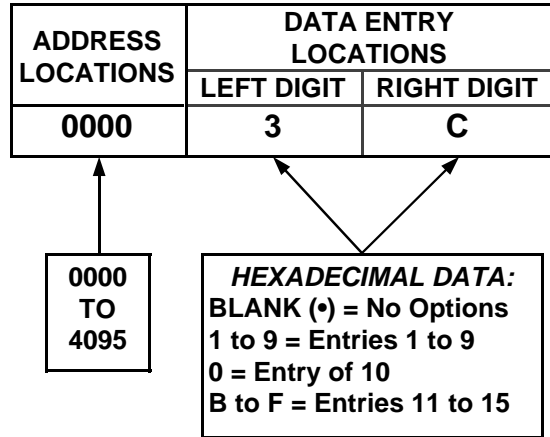
EXIT DEALER PROGRAM MODE: This completes the custom default program. Press the **C** button to enter the Direct Address Program Mode for further programming or press the **C** button once again to end all programming and resume normal keypad operation.
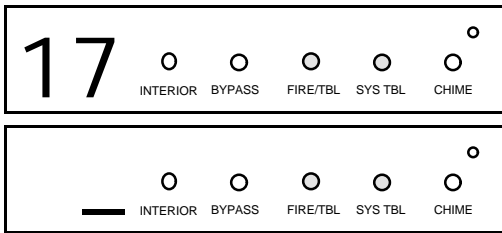
DIRECT ADDRESS PROGRAM MODE

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

KEYPAD PROGRAMMING OVERVIEW

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

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

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

0000 TO 4095

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

ACCESSING DIRECT ADDRESS PROGRAM MODE

17 ○ INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME ○
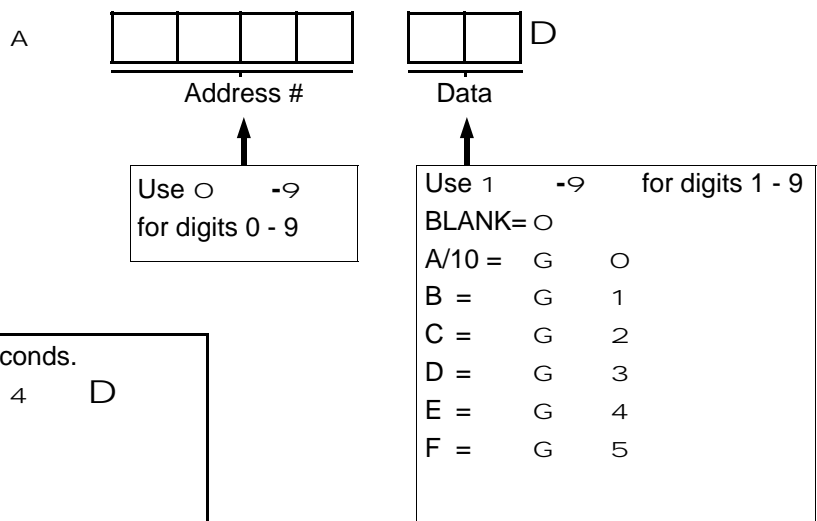
— ○ INTERIOR ○ BYPASS ○ FIRE/TBL ○ SYS TBL ○ CHIME ○

(Direct Entry)

1 Enter the Dealer Security Code (default = 456789) for a new panel or enter your custom Dealer Program Code if programmed.
2 Press **A**
3 Press NO (**F**) repeatedly until function "**17**" (Activate Program Mode) is displayed.
4 Press YES (**E**) to enter the Dealer Easy Program Mode.
5 Press **C** to enter the Dealer Address Program Mode.

ENTERING DATA IN THE ADDRESS PROGRAM MODE

1 Press **A**
2 Enter the 4 digit Address location
3 Enter the 2 digit data
4 Press **D** to save.

A [ ][ ][ ][ ]   [ ][ ] **D**
Address #   Data

Use **0** -**9** for digits 0 - 9

Use **1** -**9** for digits 1 - 9
BLANK= **0**
A/10 = **G 0**
B = **G 1**
C = **G 2**
D = **G 3**
E = **G 4**
F = **G 5**

EXAMPLE: Program an Alarm Timeout of 30 seconds.
Press **A 0 7 1 2 1 G 4 D**
• Alarm Timeout location = 0712
• 30 second timeout = 1E

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NAPCO RECOMMENDS THAT THE ENTIRE SYSTEM BE COMPLETELY TESTED WEEKLY.

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