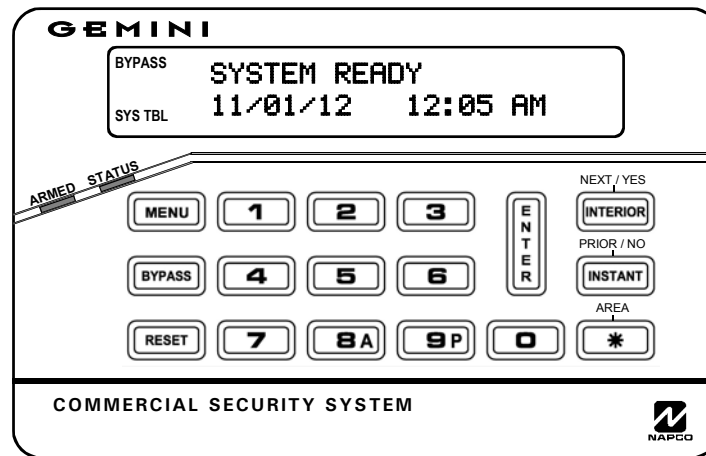


OPERATING GUIDE for your GEMC-BK1 KEYPAD



INTRODUCTION

The GEMC-BK1 is a "smart" user-friendly, interactive menu-driven keypad designed for your Napco GEMC-Series control panel. Its alphanumeric screen will not only display the status of your system, but will also give you step-by-step instructions to guide you through all operations.

This booklet contains important information about the operation of your system with this GEMC-BK1 keypad. Read it carefully and keep it handy for future reference. Check the Glossary

for an explanation of terms that may be unfamiliar to you.

You'll probably find subjects mentioned in this booklet that do not apply to your system. Napco control panels have such a wide variety of features that few security systems, if any, will ever need them all. Your alarm professional has chosen appropriate features for your particular needs.

Regardless of how your system has been configured, rest assured that it has

been carefully designed and engineered to the highest industry standards. To assure optimum safety and security, familiarize yourself with this equipment. Periodically check its condition and state of readiness by testing it at least once a week in both the ac/battery and battery-only modes (ask your alarm professional how to make these tests). This keypad is for use on model GEMC-BM or GEMC-BM/PS; for more information, see the GEMC-Series control panel installation instructions (W11653).

IMPORTANT - TEST YOUR SYSTEM WEEKLY

Test your sounding device and backup battery

(These tests should only be performed on weekends or at a time designated by your alarm company.)

1. While disarmed, press **MENU**.
2. Answer **NO** (press **INSTANT**) until "ACTIVATE BELL TEST" appears in the window.
3. Press **YES** (**INTERIOR**) to execute the test. The alarm will sound for about two seconds.
 - If the alarm does not sound, call for service.
 - If the battery is low, "LOW BATTERY E02-00 SERVICE" will appear in the display indicating a low battery condition. Allow 24 hours for the battery to recharge. If the trouble continues, call for service.

Test your Central Station communicator

(Activate Dialer Test programmed? YES NO)

1. Notify your Central Station of the impending test.
2. While disarmed, enter your User Code and press **MENU**.
3. Answer **NO** (press **INSTANT**) until "ACTIVATE DIALER TEST" appears in the window.
4. Press **YES** (**INTERIOR**) to send a test code to the Central Station.
 - If the test is not successful, "COMM FAIL E03-00 SERVICE" will display, indicating a communication failure. Call for service.

Note: Any subsequent successful transmission will clear a "Failure to Communicate" system trouble.

TABLE OF CONTENTS

TABLE OF CONTENTS

Section	Page
KEYPAD CONTROLS & INDICATORS.....	4
SETTING THE ALARM (ARMING) WHEN LEAVING.....	6
PROTECTING YOURSELF WHILE ON THE PREMISES.....	8
TURNING OFF THE ALARM (DISARMING) WHEN RETURNING	10
KEYFOB OPERATION	11
FUNCTION MENU OPTIONS	12
CHANGING USER CODES	16
CENTRAL-STATION MONITORING.....	18
ADVANCED FEATURES	19
PROGRAMMING (OPTIONAL).....	20
ENTER ZONE DESCRIPTIONS -- "CELL PHONE STYLE"	23
KEYPAD MESSAGES	25
GLOSSARY	28
SYSTEM TROUBLE ERROR CODES	31
TROUBLESHOOTING	38
SIA CP-01 QUICK REFERENCE CHART	39
LIMITED WARRANTY	44

TO SILENCE AN ALARM, ENTER YOUR CODE

My disarm codes have 4 5 6 digits (circle one)

FOR SERVICE, CALL: _____

CENTRAL STATION: _____

EXIT DELAY: _____

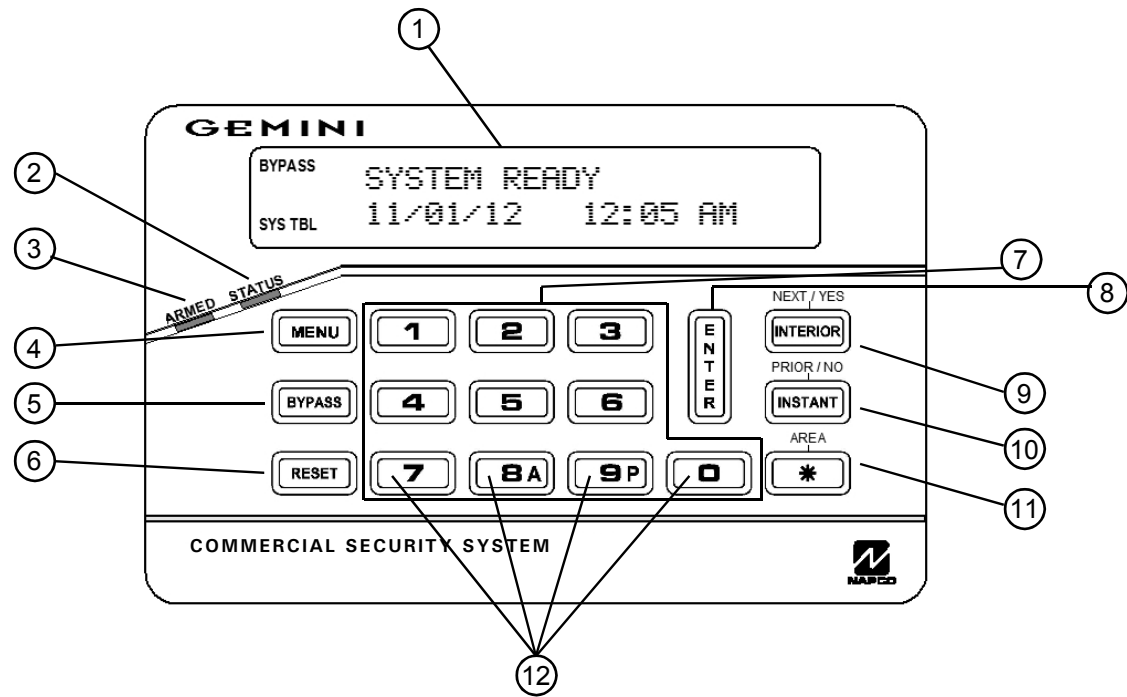
ENTRY DELAY: _____

BURGLAR ALARM SOUND*:








KEYPAD PANIC ENABLED? YES NO

KEYPAD AUX. ENABLED? YES NO

KEYPAD CONTROLS & INDICATORS



KEYPAD CONTROLS & INDICATORS

- ① **Window.** Displays system status messages, zone descriptions, etc.
- ② **STATUS Light.** Lights (green) to indicate that the system is ready for arming. If a zone is not secured the light will be off and the zone will display in the window. If a zone has been bypassed, the STATUS light will blink while armed.
- ③ **ARMED Light.** Lights (red) to indicate that the system is armed. If an alarm has occurred, the ARMED LED will be flashing.
- ④ **FUNCTION Button.** Selects available system functions as displayed in the window. The selected function is executed by pressing the  button.
- ⑤ **BYPASS Button.** (1) Deactivates selected zones from the system. (2) Unbypasses a bypassed zone.
- ⑥ **RESET Button.** Resets the display after an alarm; silences the pulsing sounder during the Delay Arming countdown; exits keypad functions and Program Mode; press to bypass a Priority Zone.
- ⑦ **Numerical Keys (1-9, 0).** Used to enter codes, zone numbers, etc.
- ⑧ **ON/OFF Button.** Entry key. Causes the entered code or selected function to be executed.
- ⑨ **INTERIOR Button.** (1) Bypasses all Interior Zones simultaneously to allow free movement within the premises. (2) Scrolls the window display forward (**NEXT**). (3) Answers "YES" to questions in the window display.
- ⑩ **INSTANT Button.** (1) Cancels entry delay on Exit/Entry Zones, causing an instant alarm upon violation. (2) Scrolls window display backward (**PRIOR**). (3) Answers "NO" to questions in the window display.
- ⑪  (**AREA**) Button. (1) Selects other areas. (2) Used with Emergency buttons (below).
- ⑫ **Emergency Buttons.** Used with the  button to signal an emergency, as follows:
- Press the  and the  buttons for Auxiliary Emergency.
- Press the  and the  buttons for a Panic Police Emergency.

SETTING THE ALARM (ARMING) WHEN LEAVING

Arming codes must be 4, 5 or 6 digits in length. **The number of digits in my arming codes are:** 4 5 6 (circle correct number)

SYSTEM READY X
01/01/14 08:15A

EXIT TIME 060
PLEASE LEAVE NOW

ZONES NOT NORMAL
CAN'T ARM SYSTEM


ZONES FAULTED

002-BACK DOOR

BYPASS BYPASSED

BYPASS 002-BACK DOOR



Arming the System

- 1 Check the keypad.** The green STATUS light must be on in order to arm. If the green light is off, "ZONES FAULTED" will display in the window followed by the number and description of each faulted zone. Note each problem zone and secure it by closing a window, door, etc. When all zones are secure, the green STATUS light will turn on and the window will display "SYSTEM READY".
- 2 Arm the system.** Enter your code and press . The green STATUS light will go off, the red ARMED light will come on and the window will display "EXIT TIME XXX", "PLEASE LEAVE NOW" (where "XXX" represents the exit time remaining, in 10-second steps). **Note:** If you enter a wrong code, the keypad will display "INVALID ENTRY, TRY AGAIN".
- 3 Leave the premises.** Leave through the exit door before exit time expires.

Priority Arming

If you attempt to arm with a faulted Zone, a 3-second tone will sound at the keypad. "ZONES NOT NORMAL", and "CAN'T ARM SYSTEM" will display in the window, indicating that the faulted zone(s) must be secured before the panel can be armed.

Selectively Bypassing Zones

If you cannot locate or repair the problem yourself, call for assistance. If you cannot get immediate help, bypass the problem zone(s) from the system as follows: Press your User Code and  (the keypad displays "BYPASS ENABLED"). Then press  and the zone number. **Note:** Bypassed zones are unprotected. If armed with zones bypassed, have the system checked as soon as possible. **Note:** Whenever pressing any command key (for example, **ENTER**), the keypad will momentarily display "Processing.. "

SETTING THE ALARM (ARMING) WHEN LEAVING

SYSTEM TROUBLE

SYS TBL

LOW BATTERY
E02-000 SERVICE

SYS TBL

PRESS RESET KEY
CAN'T ARM SYSTEM

SYS TBL

EXIT TIME 060
PLEASE LEAVE NOW

CAN'T ARM SYSTEM

AREA X IN TROUBLE

System Trouble

If you attempt to arm with a "SYSTEM TROUBLE" display alternating with an indicated trouble code (e.g. "E02-000" (low battery); see SYSTEM TROUBLE ERROR CODES), a 3-second tone will sound at the keypad. The window will display "PRESS RESET KEY, CAN'T ARM SYSTEM". If you cannot correct the problem immediately, pressing **RESET** will enable you to arm in this condition.

Be sure to call for service as soon as possible.

Area Arming (Optional)

Some systems may be divided, or partitioned, into smaller independent subsystems, which are referred to as "Areas". In a system that has been partitioned into multiple areas, one or more area may be armed while others remain disarmed.

Manager's Mode (Optional)

The Manager's Mode allows the user to arm / disarm other areas in a partitioned system. To arm/disarm a different area:

1. Press the numerical key representing the other area number.
2. Press ***** followed by **ARM-DISARM**. The keypad will now provide status and control of that area.
3. Enter your User Code followed by **ARM-DISARM** to arm or disarm the area.
4. Press ***** followed by **ARM-DISARM** to return to the home area.

Global Arming (Optional)

To arm all areas simultaneously, press **9 P**, ***** and enter your code followed by **ARM-DISARM**.

To disarm all areas simultaneously, press **0**, ***** and enter your code followed by **ARM-DISARM**.

- The User Code must be valid in all area(s).
- If any zone is not secured, the keypad will display "CAN'T ARM SYSTEM, AREA X IN TROUBLE", where X indicates the number of the faulted Area. All faulted zones in the respective area(s) must be secured or bypassed. **Note:** If a system trouble is indicated, the system cannot be armed using this method.

PROTECTING YOURSELF WHILE ON THE PREMISES

BYPASS SYSTEM READY

Bypassing Interior Zones

Interior Zones, when bypassed, allow free movement within the premises while the protection of armed perimeter zones is maintained. To bypass Interior Zones, press

INTERIOR and enter your User Code followed by **ARM-DEF** to arm.

Your system may have provisions for two groups of Interior Zones. (Optional) (Interior Groups programmed? YES NO)

Press **INTERIOR**, followed by **ARM-DEF** to Bypass Interior Group 1: [_____]

- Press **INTERIOR** twice followed by **ARM-DEF** to Bypass Interior Group 2: [_____]
- Press **INTERIOR** three times followed by **ARM-DEF** to Bypass both Interior Groups 1 & 2.

Automatic Interior Bypass (Optional - Automatic Interior Bypass programmed? YES NO)

Your system may have been programmed for Automatic Interior Bypass, which allows it to recognize that you have armed the system and remained in the premises, prompting it to automatically adjust the interior protection accordingly.

- If you arm the system and remain in the premises, all Interior Zones are automatically bypassed. The keypad will display "BYPASSED" indicating that it is safe to move about.
- If the system is armed and you leave, the Interior Zones will *unbypass*, providing complete interior protection.

SYSTEM ARMED I

Instant Protection

When not leaving the premises, you can cancel the entry delay on the Exit/Entry Zone(s). To arm with instant protection, press **INSTANT** just prior to arming, or at any

time after the system is armed. When armed with Instant Protection, opening the entry door will cause an immediate alarm.

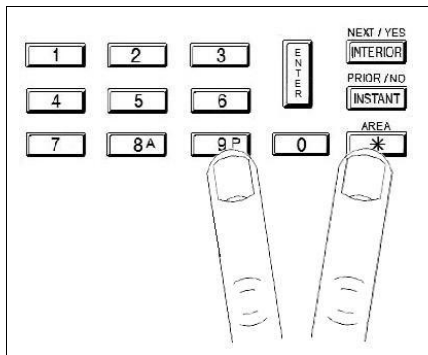
- When arming with Instant Protection, the exit delay will remain in effect, allowing exit of the house just after arming. While armed, the window will display "SYSTEM ARMED" and the red ARMED light will flicker rapidly to indicate *instant protection*.

PROTECTING YOURSELF WHILE ON THE PREMISES (CONT'D)




Easy Exit (Optional - Easy Exit programmed? YES NO) (Not UL Investigated)





Your system may have been programmed for Easy Exit, which allows a user to exit the premises while the system is armed. By activating Easy Exit while the system is armed, the Exit Delay countdown will take place, during which time you are permitted to leave through the exit door. The Easy Exit Delay time will be identical to the Exit Delay time the system gives you each time it is armed. This will allow, for example, an early morning commuter to exit the house, without having to disarm and rearm the system, awaking the family.

Press  to activate Easy Exit on your system.



Emergency Buttons (Only available if programmed)

The Blue Emergency Buttons ( & ), if programmed, are always active, whether the system is armed or disarmed. The emergency signal will only be transmitted when an Emergency Button and  are pressed at the same time.

- **Auxiliary Emergency** Simultaneously press  and  to alert the Central Station of an Auxiliary emergency.
*(Auxiliary Emergency programmed? YES NO)
- **Police Emergency** Simultaneously press  and  to alert the Central Station of a police emergency.
*(Police Emergency programmed? YES NO)

TURNING OFF THE ALARM (DISARMING) WHEN RETURNING

Disarm codes must be 4, 5 or 6 digits in length.

The number of digits in my disarm codes are: 4 5 6 (circle correct number)

ENTRY TIME XXX
DISARM SYSTEM

INVALID ENTRY
TRY AGAIN

**** ALARM ****

02 - BACK DOOR

03 - LIVING ROOM

Disarming the System

- 1 Enter your premises through the Entry/Exit door. The keypad will sound a steady or pulsing tone to remind you to disarm the system before your Entry Delay time expires.
- 2 Enter your User Code. The red **ARMED** light will go out, indicating that the system has been disarmed. If you enter an invalid code, the keypad will beep 4 times, signifying an error. Re-enter your code immediately. 10 seconds before Entry Delay expires, the keypad will emit a pulsing warning tone.

Alarm Indication / Silencing an Alarm

If the red ARMED light is flashing and "ALARM" is displayed, an alarm occurred while you were out. Proceed with caution! If you suspect that an intruder may still be on the premises, leave immediately and call authorities from a neighbor's phone.

To silence an audible alarm:

- 1 Enter your code. After the system is disarmed, the window will continue to display "ALARM" followed by the zone(s) violated.
- 2 To reset the display, note the zones violated, then press **RESET**.

Ambush (Optional) My Ambush Code is _____

If an intruder forces you to disarm your system, enter your Ambush Code. Using your Ambush Code will send a *silent alarm* to the Central Station. The red ARMED light will go out and the window will display "SYSTEM READY" as if the system were normally disarmed. There will be no indication that a silent alarm has been sent.

The Ambush Code is a separate and unique User Code. *Example:* If your User Code is "1234" and your Ambush Code is "8899", press .

KEYFOB OPERATION

Arm

Press "Lock" momentarily
(until LED lights).

Disarm

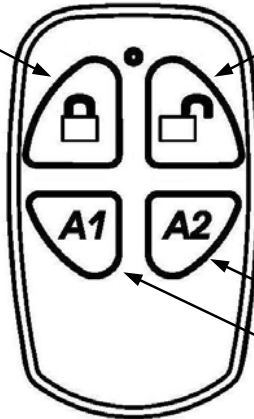
Press "Unlock" momentarily
(until LED lights).

Chirp

The Burg Bell Output will chirp
once upon arming and **twice upon disarming**.

Panic

If buttons **A1** and/or **A2** are
programmed for panic, **press
and hold button for 2 seconds**.



A1 button A2 button

Press and hold for 2
seconds to operate
programmed function.

FUNCTION MENU OPTIONS

The GEMC-BK1 Burglary keypad Function Menu provides access to a variety of Burglary utility functions. Some functions listed below may or may not appear, depending on the type of Code used to enter the Function Menu.

1. **At a Burglary keypad**, enter either a *Master Security Code*, *Dealer Keypad Program Code* or a *Burg User Code*, then press **MENU**.
2. **Scroll forward or backward through the functions** using **NEXT** and **PRIOR**, respectively.
3. **To select and execute a function**, press **ENTER**.
 - To return to normal keypad operation, press **RESET**. **Note:** The keypad will automatically exit the *Function Menu* if no activity is detected for longer than 1 minute.

DISPLAY
ZN DIRECTORY Y/N

Display Zone Directory? Displays a listing of all zones in the Area. Press **NEXT** (**INTERIOR**) and **PRIOR** (**INSTANT**) to scroll zone directory.

ACTIVATE
BELL TEST Y/N

Activate Bell Test? Activates the alarm (while disarmed) for about 2 seconds and performs a battery test. If the alarm does not sound, call for service.

- If the battery is low, a "LOW BATTERY E02-000 SERVICE" will appear in the display indicating a low battery condition. Allow 24 hours for the battery to recharge. If the trouble continues, call for service.

DISPLAY
PHONE #'S Y/N

Display Phone Numbers? The panel can function as an auto dialer to any of four programmed telephone numbers (numbers must be programmed through PCD-Windows Quickloader software). Select Telephone #1-4 using **NEXT** and **PRIOR**, then press **ENTER**. Pick up the phone to initiate dialing of the displayed number (the phone will appear to be disconnected while dialing but will return to normal after a few seconds).

FUNCTION MENU OPTIONS (CONT'D)

DISPLAY
SYS TRBL Y/N

Display System Troubles? Displays 1- or 2-digit error code along with a description of a problem detected in the system. (See SYSTEM TROUBLE ERROR CODES for a full description of these codes). Use **NEXT** (INTERIOR) and **PRIOR** (INSTANT) to scroll system troubles.


ACTIVATE
CHIME Y/N

Activate Chime? (Optional - Chime programmed? YES NO) The Chime Mode will sound a tone at the keypad when the programmed zone is faulted while disarmed. To deactivate the Chime Mode, re-enter the Function Mode and when "DEACTIVATE CHIME" is displayed, press **YES** (INTERIOR). **Note:** The Chime Mode is disabled while armed. Chime is disabled for *Protected* zones while armed, *Never Armed* zones (such as a driveway sensor) will continue to chime when system is armed.

RESET
SYSTEM TRBL Y/N

Reset System Trouble? (*Master Security Code or Dealer Keypad Program Code required to view this function*) System troubles display and sound at the keypad. Correcting the trouble will clear most indications, however the following error codes will require manual reset: E13; E19; E20 and E22 (see SYSTEM TROUBLE ERROR CODES for a description of error codes).

RESET
SENSOR MSG Y/N

Reset Sensor Watch Failure? (Sensor Watch programmed? YES NO). (*Master Security Code or Dealer Keypad Program Code required to view this function*) Your system may have been programmed for Sensor Watch, a feature that supervises the motion sensors in the system. If a Sensor Watch failure occurs, a System Trouble E22-NNN will result, where NNN represents the zone number of the sensor in question. To reset, enter the Function Menu, scroll to "RESET SENSOR MSG" and press . If you cannot correct the problem, call for service.

FUNCTION MENU OPTIONS (CONT'D)

ACTIVATE DIALER TEST Y/N

Activate Telephone Test? (Telephone Test programmed? YES NO). *(Master Security Code or Dealer Keypad Program Code required to view this function)* Sends a communicator test to the Central Station. A communication failure will be indicated at the keypad by a system trouble "E03-FAIL TO COMM" display. Repeat the test to attempt to correct a communication failure, as any successful communication will clear this display.

DISPLAY ALARM LOG Y/N

Display Alarm Log *(Master Security Code or Dealer Keypad Program Code required to view this function)*
Displays most recent alarm events. Line 1 displays event and date; line 2 displays time, area and zone. To check previous alarm events, scroll back using the **PRIOR** button.

DISPLAY TOTAL LOG Y/N

Display Total Log *(Master Security Code or Dealer Keypad Program Code required to view this function)*
Displays most recent events of all types. Line 1 displays event and date; line 2 displays time and, if applicable, area and zone or user. To check previous events, scroll back using the **PRIOR** button.

DISPLAY OP/CL LOG Y/N

Display OP/CL Log *(Master Security Code or Dealer Keypad Program Code required to view this function)*
Displays most recent openings and closings. Line 1 displays event and date; line 2 displays time, area and user. To check previous events, scroll back using the **PRIOR** button.

DISPLAY SYSTEM LOG Y/N

Display System Log *(Master Security Code or Dealer Keypad Program Code required to view this function)*
Displays most recent system events. Line 1 displays event and date; line 2 displays time and other pertinent information, where necessary, depending upon event. To check previous system events, scroll back using the **PRIOR** button.

TO ARM IN 1-4 HRS PRESS 1-4 /N
--

Delay Arming 1-4 hours. (Not for UL-listed systems). *(Master Security Code or Dealer Keypad Program Code required to view this function)*. Your system may be set to arm automatically after a delay period of 1 to 4 hours.

FUNCTION MENU OPTIONS (CONT'D)

To Delay Arm the system:

- With the function "TO ARM IN 1-4 HRS" displayed in the window, enter the desired Delay Arming time in hours (, , , or) , followed by .

At the end of this 1 - 4 hour Delay Arming period, the siren will sound a 2-second warning and the keypad will begin a 15-minute arming countdown with the sounder pulsing. The sounder may be silenced at this time by pressing **RESET**, but it will turn back on with a steady warning tone 1 minute prior to arming, at which time the building must be exited. The same steps can be used to delay a scheduled Auto Arming, if your system has been programmed as such.

ACTIVATE PROGRAM	Y/N
-----------------------------	------------

Activate Program? Activates the Program Mode from Keypad No. 1. (*Master Security Code or Dealer Keypad Program Code* required to view this function). **Note:** This feature is disabled while armed (see PROGRAMMING USER CODES). If the system includes Fire Alarm protection in addition to Burglary Alarm protection, see the GEMC-FK1 (Fire Keypad) User Guide (OI341).

ACTIVATE DOWNLOAD	Y/N
------------------------------	------------

Activate Download? (*Master Security Code or Dealer Keypad Program Code* required to view this function). If accidentally enabled, press to exit. **Note:** This feature is disabled while armed.

DISPLAY RF XMITTER STAT	Y/N
------------------------------------	------------

Display RF XMITTER Stat? (*Master Security Code or Dealer Keypad Program Code* required to view this function). Press **YES** to check the status of up to 255 transmitters. The keypad will display:

- Zone number (Z01-Z96)
- Transmitter ID code number (6 digits)
- Point number (PT1 - PT4; "9" for unsupervised)
- Status of transmitter, as follows:
 - NODATA: Transmission not yet received;
 - NORMAL: Transmitter's zone normal;

FUNCTION MENU OPTIONS (CONT'D)

CHANGING USER CODES

Enable (Change
User Code) Y/N

ENTER CODE TO
CHANGE (ENTER)

ENTER NEW CODE

RE-ENTER NEW CODE

SYSTEM READY
11/01/12 12:09 AM

FAULT: Transmitter's zone open;
LOBATT: Transmitter battery low;
TAMPER: Transmitter case open;
S. FAIL: Supervision failure (test transmission not received within programmed time).

ENABLE (CHANGE USER CODE): (*Master Security Code or Dealer Keypad Program Code* required to view this function). Allows Burg User Codes to be changed (see the section "**Security, Program & User Codes**" for a full definition of "Burg User Code". In general, Burg User Codes can be used to arm and disarm the Burglary system. Changing User Codes can be performed at any GEMC-BK1 Burglary keypad; however the new User Code will only be effective within the area assigned to the keypad that was used to change the User Code. **Note:** The total number of Burg User Codes in a system is determined by the number of codes added within by PCD-Windows Quickloader download software.

Change an existing Burg User Code:

1. As detailed at the beginning of this section, press **MENU** until this "ENABLE (CHANGE USER CODE)" selection appears, then press **NEXT/YES**.
2. The keypad display reads: "ENTER CODE TO CHANGE (ENTER)". Enter the "old" code you want to change and press **ENTER**.
3. The keypad display reads: "ENTER NEW CODE". Enter the new code and press **ENTER**.
4. The keypad display reads: "RE-ENTER NEW CODE". To ensure the new code entered in step 3 is correct, re-enter new code, then press **ENTER**.

Erase an existing Burg User Code:

Burg User Codes cannot be "erased" from the system using the keypad; instead, simply

FUNCTION MENU OPTIONS (CONT'D)

"change" the "old" code to a different code using the directions above ("**Change an existing Burg User Code**"). Using PCD-Windows Quickloader download software, Burg User Codes can be erased using the **User Assignment** screen, *User/System Codes* tab.

Add a new Burg User Code:

You cannot add new Burg User Codes using the GEMC-BK1 Burglary keypad. Instead, use PCD-Windows Quickloader download software, **User Assignment** screen, *User/System Codes* tab.

Reinitialize BSLC devices Y/N
--

REINITIALIZE BSLC (*Master Security Code or Dealer Keypad Program Code* required to view this function). This menu item is typically used when replacing a Burglary SLC device. This selection is intended to ensure valid communication and correct operation for each Burglary SLC device in the system.

When initiated, power is removed from the GEMC-BSLC bus (the common pathway that connects all of the Burglary SLC devices), then power to the GEMC-BSLC bus is restored. Each device's pre-existing configuration (stored within each device) is retained. To ensure each device's ability to respond to the Burglary SLC circuit board, each Burglary SLC device "type" is retrieved from each device by the GEMC-BSLC circuit board (this process takes about 20 seconds, depending on the number of devices). The retrieval of each SLC device "type" indicates each device's ability to respond to the Burglary SLC circuit board; for each successful retrieval, the GEMC-BSLC instructs each device to use its pre-existing configuration.

A full Burglary SLC device initialization is also available in PCD-Windows Quickloader download software. In the PCD-Windows Quickloader toolbar, click **Panel History**, **Status History**, and click the "**Burg SLC Init**" button.

CENTRAL STATION MONITORING

Your alarm specialist may have programmed your system to be monitored by a Central Station. The built-in digital communicator can transmit emergency signals and status reports to the Central Station 24 hours a day.

Communicator Features

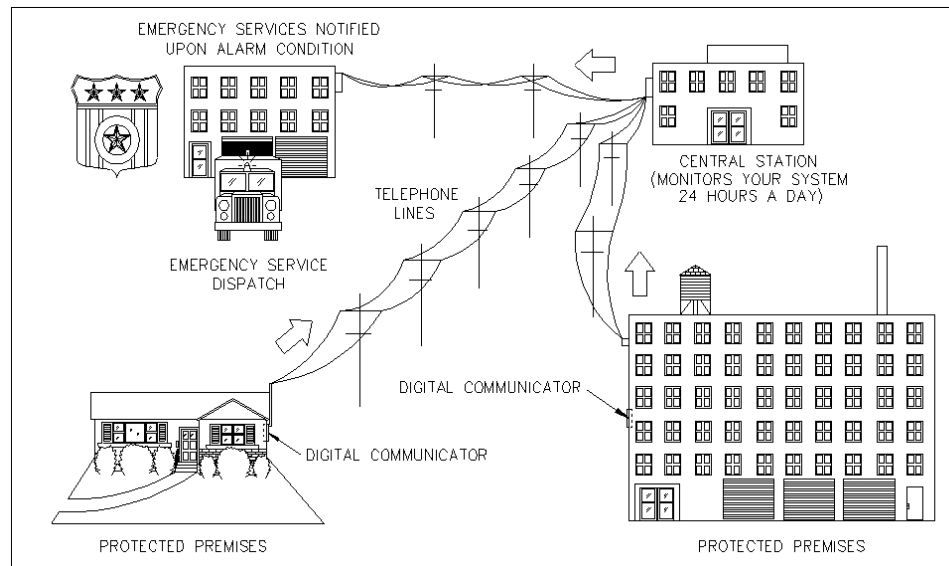
Abort Delay. Ask your installer which of your zones have Abort Delay, a delay that enables you to reset the system before it communicates to the Central Station. Your system has a SIA CP-01 required Abort Delay of 30 seconds. It may be removed or increased up to 45 seconds (at your option) by consulting with your installer.

Regular Burglary (Non-24-Hour) Zone reports are aborted by disarming within the delay period. 24-Hour Zones and zones programmed to report restores must be restored first, then the panel armed and disarmed, all within the delay period.

Opening and/or Closing Reporting.

Your system can notify the Central Station every time it is disarmed or armed. Any or all of up to 96 different users can each be identified. If your system reports on

arming (Closing Report), the Central Station will acknowledge arming. This will signal at the keypad as a "ringback" beep. **Note:** If the ringback signal is not heard, call for service.



ADVANCED FEATURES

Security Bypass/Unbypass

(Security Bypass programmed? YES NO).

In high-security applications, zones may be bypassed (or unbypassed) only if a valid code is entered first, as follows:

1. Enter a User Code valid for bypass, then press **[BYPASS]**.
2. Press **[BYPASS]** then the zone number (or vice versa) to deactivate that zone.

Similarly, a bypassed zone may be unbypassed using the same procedure.

Start Exit Time After Ringback (for Commercial Burglary Systems only)

(Optional - Start Exit Time programmed? YES NO).

If your system reports to a Central Station, your panel may have been programmed to start exit delay after the Central Station ringback (verification) signal. Then, after arming, your system will communicate to the Central Station. After the Central Station acknowledges receipt (ringback), exit delay will start. If ringback is not heard within about 30 seconds, a communication problem may exist; call for service. Function 11 (Start Exit Time) may then be used to manually start the exit delay, however reporting capability may be sacrificed. (If your system was not set to report after arming or the ringback feature was not programmed, exit delay will start as soon as your code is entered. Also note that if an exception window is programmed, and the closing is within that window, no ringback is provided. Ask your alarm professional if this feature is enabled).

Exit-Delay Restart

(Exit-Delay Restart programmed? YES NO).

On arming, the programmed exit delay will start. After the exit/entry door has been opened and then closed, exit delay will restart if the door is opened again. The Exit-Delay Restart feature will occur one time only in any arming period.

PROGRAMMING (OPTIONAL)

User Program Mode (For *Burglary-Only* Systems)

Your Installer has programmed into your system a special User Program Code that can be used to not only Arm and Disarm the system, but also to enter User Program Mode, where you can program other User Codes, Zone Descriptions and also set the system Time and Date. The following explains how you will use this Code to program or erase additional User Codes.

Note: If the system contains more than one keypad, only the keypad designated "No. 1" may be used for programming (if in doubt which is No. 1, ask your installer).

ACTIVATE
PROGRAM Y/N

ENTER USER CODE
 123 - -

ENTER USER CODE
 - -

ENTER USER CODE
 4567 - -

Note: The control panel will display user numbers in 3 digits, for example:

001 4567 - -

Enter the User Program Mode (For *Burglary-Only* Systems)

1. Enter your User Code, then press **MENU** to enter the Function Mode.
2. Answer NO until "ACTIVATE PROGRAM Y/N" is displayed, then press YES. "ENTER USER CODE" will display indicating that the system is ready for User Code programming.

Programming / Reprogramming a User Code (For *Burglary-Only* Systems)

1. Enter the digits of the user number to be programmed, followed by **MENU** **MENU** **MENU**. (Example: for User 4, enter **0** **0** **4** **MENU** **MENU** **MENU**).
 2. Enter the new User Code (up to 6 digits)
 3. Press **DISARM** to save the new User Code. Duplicate Codes are not allowed; therefore a duplicate Code entered in the LCD Window will erase when **DISARM** is pressed.
- Repeat Steps 1 through 3 for each User Code to be programmed.

Erasing a User Code (For *Burglary-Only* Systems)

1. Enter the digits of the user number to be erased followed by **MENU** **MENU** **MENU**.
2. Press ***** **0** to erase each digit of the User Code and then press **DISARM**.
 - Example: Erase User 3's 4-digit User Code:
 - Press **0** **3** **MENU** **MENU** **MENU** ***** **0** ***** **0** ***** **0** **DISARM**.

PROGRAMMING (CONT'D)

Reviewing a Programmed User Code (For *Burglary-Only* Systems)

To review an existing User Code, enter the user number and the corresponding User Code will display.

Exiting the User Program Mode (For *Burglary-Only* Systems)

When you have completed programming or erasing User Codes, press **RESET** to exit the User Program Mode.

Programming Example:

Program the User 3 Code to "3684":

1. Enter your User Code, followed by **MENU**.
2. Answer NO (press **INSTANT**) repeatedly until "ACTIVATE PROGRAM Y/N" is displayed, then press YES (**INTERIOR**).
The display will read: "ENTER USER CODE"
3. Press **0** **0** **3** for User No. 3, then press **MENU** **MENU** **MENU**, followed by **3** **6** **8A** **4**.
4. Press **ENTER** to save the code. **Note:** Duplicate Codes are not allowed; therefore a duplicate Code entered in the LCD Window will erase when **ENTER** is pressed. Press **RESET** to exit the Program Mode.

Notes:

- While in Program Mode, the **ARMED** and **STATUS** lights remain off.
- In selecting your codes, we recommend that you do not program repetitive numbers (1111), consecutive numbers (1234), your birth date, address, or other obvious combinations. Choose a code of up to six digits (a minimum of four is recommended, and required in UL installations). If the keypad detects no Program Mode activity for more than 4 minutes, a steady tone will sound. Press any key to silence.

PROGRAMMING (CONT'D)

Programming Zone Descriptions (For Burglary-Only Systems)

The zone descriptions which appear on the keypad display may be programmed in the User Program Mode.

ACTIVATE PROGRAM Y/N

001- FRONT DOOR

CELL PHONE-STYLE ENTRY			
PRESS	CHARACTERS DISPLAYED IN SEQUENCE	HOLD * AND PRESS	CHARACTERS DISPLAYED IN SEQUENCE
1	ABC1	1	abc1
2	DEF2	2	def2
3	GHI3	3	ghi3
4	JKL4	4	jkl4
5	MNO5	5	mno5
6	PQR6	6	pqr6
7	STU7	7	stu7
8	VWX8	8	vwx8
9	YZ90	9	yz90
0	(SPACE) . - () , / : ? #	0	(Reserved)

Enter the User Program Mode (For Burglary-Only Systems)

1. Enter your User Code, then press **MENU** to enter the Function Mode.
2. Answer **NO** (press **INSTANT**) until "ACTIVATE PROGRAM Y/N" is displayed, then press **YES** (**INTERIOR**).
3. "ENTER USER CODE" will display, press **NEXT** (**INTERIOR**) and the keypad will display the Zone 1 Description.

Entering a new zone description (Cell Phone-Style Entry)

- Use buttons **MENU** and **BYPASS** to move the cursor under the letter to be changed.
- Press **0** through **9P** to select uppercase letters; hold ***** and press **0** through **9P** to select lowercase letters. The first press will display the first character, the next press will display the next character. See the table at left and the next page for more information.
- Use buttons **MENU** and **BYPASS** to move the cursor as needed. Press **ENTER** to save.

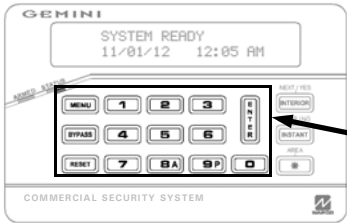
To advance to the next zone (or to any other zone):

- Move the cursor to the displayed zone number (i.e., "001") using **MENU** and **BYPASS**.
- Change the zone number using keys **0** through **9P**. Enter two digits for the zone number (after entering the first digit, the cursor will automatically advance to the second digit). When the second zone number digit is entered, the cursor will automatically advance to the right, allowing the description locations to be entered.
- Always press **ENTER** to save each zone description.

ENTER ZONE DESCRIPTIONS -- "CELL PHONE STYLE"

(For Burglary-Only Systems)

EXAMPLE: Repeatedly press **3** to display "G H I 3" in sequence



MENU	1	2	3	ENTER
<RIGHT>	ABC1	DEF2	GHI3	
BYPASS	4	5	6	ENTER
<LEFT>	JKL4	MNO5	PQR6	<SAVE>
RESET	7	8A	9P	0
	STU7	VWX8	YZ90	<SPACE> * - . () , / : ? #

CELL PHONE-STYLE ENTRY			
PRESS	CHARACTERS DISPLAYED IN SEQUENCE	HOLD * AND PRESS	CHARACTERS DISPLAYED IN SEQUENCE
1	ABC1	1	abc1
2	DEF2	2	def2
3	GHI3	3	ghi3
4	JKL4	4	jkl4
5	MNO5	5	mno5
6	PQR6	6	pqr6
7	STU7	7	stu7
8	VWX8	8	vwx8
9	YZ90	9	yz90
0	(SPACE) * - . () , () , / : ? #	0	(Reserved)

Use **MENU** and **BYPASS** buttons to move the cursor as needed. Press **ENTER** to save.

Hold ***** and press number to display lowercase letters in sequence.

PROGRAMMING (OPTIONAL)

Programming the system Date and Time. (For *Burglary-Only Systems*)

The User Program Mode may also be used to set the system Date and Time that display on the keypad.

ACTIVATE
PROGRAM Y/N

ENTER DATE
00/00/00

ENTER DATE
07/29/00

ENTER TIME
(12:00A)

ENTER TIME
(06:30P)

Enter the User Program Mode (For *Burglary-Only Systems*)

1. Enter your User Code, then press **MENU** to enter the Function Mode.
2. Answer **NO** (press **INSTANT**) until "ACTIVATE PROGRAM Y/N" is displayed, then press **YES** (**INTERIOR**).
3. "ENTER USER CODE" will display, press **NEXT** (**INTERIOR**) until the keypad displays the "ENTER DATE" screen.

Programming the Date (For *Burglary-Only Systems*)

1. At the "ENTER DATE" screen, simply punch in the correct date using the numeric keypad buttons.
☞ For example, for June 25, 2012, enter: **0** **6** **2** **5** **1** **2**
2. Press **ENTER** to save the date.

Programming the Time (For *Burglary-Only Systems*)

After entering in the Date, press **NEXT** (**INTERIOR**) for the "ENTER TIME" screen.

1. At the "ENTER TIME" screen, simply punch in the correct time using the numeric keypad buttons and if necessary, press any numeric button to change the AM display to PM (or vice versa).
☞ For example, for 6:30 PM, enter: **0** **6** **3** **0** (**0** if necessary)
2. Press **ENTER** to save the Time.

KEYPAD MESSAGES

The keypad can display the following functional messages. Other diagnostic messages are available for the installer or servicer. Should any unfamiliar messages appear, call your dealer for service.

SYSTEM READY C
<DATE> <TIME>

All zones operating; system can be armed. If displayed, "C" denotes Chime Mode on. (Note: This message may have been customized by your installer).

PLEASE WAIT
FOR RINGBACK

Panel reporting to Central Station on arming. If necessary, wait for ringback signal before exiting.

PLEASE EXIT IN
XXX SECONDS

Exit delay in progress. The "XXX" denotes exit time remaining, in seconds. If displayed, "S" indicates Service Code active; "I" indicates arming with Instant protection.

DISARM NOW
XXX SECONDS

Entry delay in progress. The "XXX" denotes entry time remaining, in seconds.

SYSTEM ARMED I
<DATE> <TIME>

System armed. The "I" indicates arming with Instant protection.

ZONE FAULTED

Zones not secured (doors or windows may be open). Faulted zone(s) will scroll.

CAN'T ARM SYSTEM
ZONES FAULTED


Arming attempted with faulted zone. The display will scroll the zone faults. Secure the zone(s) and arm system.

DAY ZONE TRBL

(With pulsing sounder). **Trouble condition on a Day Zone** (followed by one or more zone descriptions). Press the **RESET** to silence sounder.

KEYPAD MESSAGES

ALARM

Alarm condition, followed by zone description(s). "ALARM" and zones will display after system is disarmed. Note zones, then press  to clear keypad.



CODE DENIED
INCORRECT AREA

(For partitioned systems only). **Code not valid for area.**

INVALID ENTRY
TRY AGAIN

Wrong code entered or "Easy Bypass" function not enabled.

CAN'T ARM SYSTEM/
AREA # IN TROUBLE

(In Global Arming Mode). **Arming prevented due to an unsecured zone.** The "#" represents number of area with the *faulted* zone. Press area number, then , then  to view zones in that area. Correct problem, then arm normally.

KEYPAD MESSAGES

ATTEMPTING TO
CANCEL

The system is in the process of reporting a cancel signal to Central Station which will cancel the alarm which it has just reported.

ALARM CANCELED

The alarm signal has been cancelled during the Abort Delay (before an alarm signal report was sent to the Central Station). If cancelled after the alarm signal report was sent, this message appears when the system receives an acknowledgment from the Central Station of the cancellation of the alarm signal.

SYSTEM TRBL

Indicates problem(s) detected on system. (See examples below and *SYSTEM TROUBLE ERROR CODES* for a complete list of system troubles and corrective actions.)

AC POWER FAIL
E01-00 SERVICE

Check power transformer. Check for blown fuse or circuit breaker; general power outage.

LOW BATTERY
E02-00 SERVICE

Battery weak. If not recharged within 24 hours, replace battery.

COMM FAIL
E03-00 SERVICE

Communication failure to Central Station.

GLOSSARY

Following are brief descriptions of terms and features used herein that may be unfamiliar to you. Note that some of the features are programmable options that may or may not apply to your particular system.


Abort Delay - A delay period that allows the control panel to be reset, thus aborting a report to a central station.

Access Code - A code (up to 6 digits) used to remotely unlock a door with an electronic lock.

Ambush Code - A code entered when forced to disarm. Sends a silent alarm to the Central Station with no indication at the keypad. The Ambush Code is a separate and unique User Code used in place of your normal User Code.

Area - Some systems may be divided, or partitioned, into smaller independent subsystems, which are referred to as Areas. Each Area may be controlled by its own keypad or by a keypad of a

different Area through Managers Mode..

Arming/Disarming - Turning the system on/off by entering your code at the keypad, then pressing .

Battery - Backup power source in the control-panel enclosure to provide protection in the event of a power failure.

BYPASS Button - Enables you to manually remove one or more protective zones from the system.

Central Station - Monitors incoming reports and emergency messages from a digital communicator and notifies the proper authorities.

Chime - A keypad beep while

disarmed alerting that the programmed zone has been opened.

Closing Window - (Optional) A time interval within which closing (arming) is permitted without reporting to the Central Station.


Communicator - Reports intrusions, emergencies, openings, closings, etc. directly to the Central Station over telephone lines.

Control Panel - The brain of the system, it controls all system functions.

Directory - A listing of the programmed zone descriptions stored in memory.

Easy Arming - Quick arming by


GLOSSARY

pressing  (optional) **Note:** This feature is not UL investigated.

Exit/Entry Delays - Separate delays that let you exit and enter your premises without setting off an alarm when the system is armed.







Fault - A zone fault is an open door, window, or other problem that may prevent arming; secure or bypass the faulted zone, then arm normally.

INTERIOR Button - Bypasses Interior Zones on arming (see Zones - Interior Zones).

Instant Protection - Arming without entry delay using the  button while remaining on the premises.

Keypad - Puts control-panel functions at your fingertips. It can be mounted anywhere in your premises.

Manager's Mode - In a partitioned system, a low-security operating mode that allows arming by area.

Panic Buttons - Blue buttons on the keypad ( and  or ). If enabled, pressing  together with  or  will alert the Central Station of an auxiliary emergency or police emergency.

Partitioned System - A system that has been subdivided into two or more (up to eight) independent subsystems (areas).

Pre-Alarm Warning. - A keypad sounder alert of an impending alarm. This option is programmable by zone for the same duration as that programmed for Abort Delay (see Abort Delay).

Report - A transmission to a central

station notifying of a change in the status of the system (alarm, trouble, low battery, etc.).

RF Low Battery - (Wireless systems only) Weak transmitter battery.

RF Check In - (Wireless systems only) Periodic test report from transmitter (if a report is not received on time, a supervision-failure system trouble will result).

Ringback - A beep after arming verifying the Central Station's receipt of a closing report.

Service Code - A code intended for temporary use.

Sounder - A local warning device at each keypad to alert that (a) entry delay has started; (b) an attempt was made to arm with a faulted zone or zone in trouble; (c) a Day-Zone condition exists (see Zones: Day Zone); (d) 10 seconds exit time remaining; (e) invalid code

GLOSSARY

entered; or (f) Central Station acknowledged arming (see Ringback).

System Trouble - A problem (low battery, power failure, etc.) detected in the system.

Trouble - A zone fault; an open door, window, or other problem that may prevent arming.

User Code - Your personalized code for arming and disarming the system. It may contain up to six digits.

Zones - Independent circuits that protect specific areas of the premises:

Auto-Bypass Zone: A zone that will be automatically bypassed from the protection system if it is faulted (open) when the system is armed.

Burglary Zone: Detects intrusion.

Day Zone: A zone that will cause a visual and audible indication at the keypad if it is faulted while disarmed.

Exit/Entry Follower Zone: Provides exit and entry delay for interior devices. Entry delay only occurs if re-entry takes place through the normal exit/entry door first.

Interior Zones: Circuits within the premises, usually including space-protection devices, interior doors, etc.; but not exterior doors or windows. These can all be bypassed simultaneously using the **INTERIOR** button. (Two groups of Interior Zones may be programmed for each area).

Priority Zone: A zone that prevents arming if faulted.

Priority Zone with Bypass: A Priority Zone that can be bypassed using the **RESET** button.

Selective-Bypassed Zone: A zone that can be individually bypassed using the **BYPASS** button.

24-Hour Zone: A zone that is armed and ready at all times to respond to an emergency situation.

SYSTEM TROUBLE ERROR CODES

Your control panel is capable of detecting a variety of troubles that may affect system performance. In the unlikely event that a problem should occur, the SYS TBL (system trouble) icon will display on the left side of keypad window along with one or more of the following error codes. If the problem is related to a specific zone or device, the corresponding number will also be indicated. Below is a list of the most common troubles along with the necessary corrective action, if any. If a message appears that is not listed below, call your security professional for service. When a system trouble occurs, the keypad can be silenced and the display can be cleared by pressing **RESET**. The system can then be armed and disarmed as usual.

Note: If you cannot clear a system trouble yourself, call installing company for service as soon as possible.

TBL #	KEYPAD DISPLAY	KEYPAD TROUBLE DESCRIPTION
E01-00	'AC POWER FAIL ' 'E01-00 SERVICE'	System AC Power failure/outage. Check blown fuse or circuit breaker.
E02-00	'BATTERY TROUBLE ' 'E02-00 SERVICE'	System Battery Trouble. Generated when there is either a depleted or damaged battery and/or the battery charging circuit is not working. If there has been a recent power failure, the battery may be partially depleted and must be recharged by the control panel. The control panel performs an automatic test of the battery every 100 seconds, at which time the trouble will clear if the battery has been recharged and the charging circuit is functioning correctly. See also E63 below, the description for the GEMC-BM/PS low battery.

SYSTEM TROUBLE ERROR CODES (CONT'D)

TBL #	KEYPAD DISPLAY	KEYPAD TROUBLE DESCRIPTION
E03-00	SYStrbl E03 xxx MM/DD/YY HH:MM 'Comm Failure ' 'E03-000 SERVICE '	<p>Communication Failure: The system was not able to report to central station. If this is due to a temporary interruption in the telephone service, the trouble can be cleared when the service is restored by performing a Communication Test:</p> <p>Fire Keypads</p> <ol style="list-style-type: none"> 1. Enter code to unlock keypad and press MENU. 2. Press MENU until "ACTIVATE DIALER TEST" appears in the window. 3. Press ENTER to send a test signal to the central station. 4. Allow a minute or 2 for the call to reach the Central Station then press RESET. <p>Burg Keypads:</p> <ol style="list-style-type: none"> 1. While disarmed, enter your User Code followed by MENU. 2. Answer NO until "ACTIVATE DIALER TEST" appears in the window. 3. Press YES to send a test signal to the central station. <p>Note: Will also display if panel improperly programmed to report (Report Alarm, Report Codes, Subscriber ID Numbers, etc. must be programmed correctly).</p>
E04-NNNNNN	'WL/SLC TROUBLE' 'E04-NNN #XXXXXX'	<p>Wireless Transmitter or SLC Point Supervision Failure. A problem has been detected either in a wireless transmitter or a burglary SLC Point. "XXXXXX" = The wireless/SLC device 6-digit ID map number. NNN = associated zone number</p>
E05-NN	'WireLessLOW BATT' 'E05-NNN #XXXXXX'	<p>Wireless Transmitter Low Battery. The battery in a wireless transmitter is low and should be replaced. This transmitter is on the zone corresponding to the number NN. Warning: Replace batteries only with the same type as specified on the sticker mounted on the device or in the installation instructions. Use of another battery may present a risk of fire or explosion. Do not recharge or disassemble battery, or dispose of in fire. "XXXXXX" = The wireless device 6-digit ID map number. NN or NNN = Zone number.</p>
E06-NN	'RECr/slC N0-RES' 'E06-NNN SERVICE'	<p>RF Receiver or SLC Module response trouble. NN = Receiver or SLC Module address (1-4). Check connection to receiver/SLC module, check Receiver wiring is on correct bus Fire or Burg and/or correct SLC connector SLC1 or SLC2, check to make sure address jumper on receiver or SLC Module is correct. Make sure no duplicate addresses are used. For Burglary keypads, NNN = receiver number (1-4).</p>

SYSTEM TROUBLE ERROR CODES (CONT'D)

TBL #	KEYPAD DISPLAY	KEYPAD TROUBLE DESCRIPTION
E07-00	'DOWNLOAD FAIL ' 'E07-00 SERVICE'	Download attempt failure.
E08-NN	'TELCO LN TROUBLE' 'E08-NN SERVICE'	Telephone line failure (system trouble displays after a programmed delay of low on hook voltage and no off hook line current from connected phone line). NN = Telco line number 1 or 2.
E09-00	' NOT PROGRAMMED ' 'E09-00 SERVICE'	A system cold start was performed , erasing all programmed data in the control panel such as the Dealer Program, Zone Description Data and Schedules.
E10-NN	'KPD/ACM TROUBLE ' 'E10-NN SERVICE'	Burglary keypad or ACM response failure. NN is keypad number (address 001-015). Check to make sure correct Keypad address configured (no duplicates) and wired to Burg bus (not Fire bus).
E11-NN	'burgKPD/ACM TAMP' 'E11-NN SERVICE'	GEMC-BK1 keypad or ACM cover opened. NNN is keypad number (address). NN is the keypad or ACM address number.
E12-NN	'BURG EZM TROUBLE' 'E12-NN SERVICE'	Burg Expansion Zone Module response failure. NN = EZM address number. Check to make sure correct EZM address jumpers (no duplicates) and wired to Burg bus (not Fire bus).
E13-NN	'BURG EZM TAMPER ' 'E13-NN SERVICE'	Burg Expansion Zone Module cover removed. NN = module number.
E14-NNN	'RELAY BOARD TRBL' 'E14-NN SERVICE'	NAC or Relay board response failure. NNN = Relay board number (address). Check to make sure correct Relay group address jumpers are set (no duplicates) and GEMC-RM3008's and GEMC-OUT8's are wired to the correct bus (either the Fire bus or the Burg bus). If the GEMC-FW-SLC or GEMC-BSLC is used, check to ensure correct relay group dip switch settings. If the GEMC-NAC7S or GEMC-NAC7L is used, check to ensure the address jumpers are set correctly.

SYSTEM TROUBLE ERROR CODES (CONT'D)

TBL #	KEYPAD DISPLAY	KEYPAD TROUBLE DESCRIPTION
E15-NNNNNN	'WL/SLC TAMPER' 'E15-NNN #XXXXXX'	Wireless RF Transmitter or SLC Point cover removed or the unit is removed from its mounting location and/or an SLC device cover is removed. "XXXXXX" is the wireless device 6-digit ID map number or SLC point address. NNN is the associated zone number
E16-NN	'RECr/slC TRBL' 'E16-NN	Wireless RF Receiver or Burg SLC Trouble. NN = Receiver/SLC Module address (1-4). Either a Receiver is receiving a constant conflicting signal or noise that may interfere with receiving signals, or a GEMC-BSLC module has detected a short on the bus (class A or B) and/or an open on a class A loop. Consider moving Receiver location or repairing SLC loop.
E17-NN	'RECr TAMPER' 'E17-NN SERVICE'	Wireless RF receiver cover removed or removed from mounting location. NN = Receiver address (1-4).
E18-NN	'LOBATT KEYFOB NN' 'E18-NN #XXXXXX'	Wireless keyfob transmitter low battery. NN = Keyfob transmitter number. "XXXXXX" is the wireless device 6-digit ID map number.
E19-00	'USER MEM ERROR ' 'E19-00 SERVICE'	Internal User Program memory error. Fire Keypads: Unlock keypad and press RESET to clear. Burg Keypads: Select menu option RESET SYSTEM TBL then press ENTER .
E20-00	'DEALER MEM ERROR' 'E20-00 SERVICE'	Internal Program memory error. Fire Keypads: Unlock keypad and press RESET to clear. Burg Keypads: Select menu option RESET SYSTEM TBL then press ENTER .
E22-NNN	'PIR SENSOR TRBL ' 'E22-NNN SERVICE'	No trip detected on PIR Supervision Zone within programmed Sensor-Watch time. NN = Zone number. To reset, press NEXT button at "RESET SENSOR MSG" function display.
E24-00	SYStrbl E24 xxx MM/DD/YY HH:MM 'TIME FOR SERVICE' 'E24-00 SERVICE '	A service message can be programmed through the PCD-Windows Quickloader (event-schedule screen) to remind the user to arrange for scheduled maintenance. At the programmed date and time, the keypad sounder will start to pulse and the display will read "TIME FOR SERVICE". Fire Keypads: Unlock keypad and press RESET to clear. Burg Keypads: Select menu option RESET SYSTEM TBL then press ENTER .

SYSTEM TROUBLE ERROR CODES (CONT'D)

TBL #	KEYPAD DISPLAY	KEYPAD TROUBLE DESCRIPTION
E28-00	SYStrbl E28 xxx MM/DD/YY HH:MM 'ErrorCheck Req' 'E28-000 SERVICE '	Fire System is in "ENABLE PROGRAMMING" mode ("ENABLE PROGRAMMING" is entered via the Keypad Function menu) and therefore may not be relied upon to perform as intended. The system account program must be downloaded with PCD-Windows performing an error check. The system must always be tested after download to confirm proper operation. Access to panel programming must be enabled via the above described keypad Function menu to allow keypad programming or remote downloading of FIRE-related programming changes.
E31-NNN	SYStrblE31 xxx MM/DD/YY HH:MM 'FireEzmNoRespTbl' 'E31-NN SERVICE '	Fire Expansion Zone Module response failure. NN = EZM address number (001-031). Check to make sure correct EZM address jumpers (no duplicates) and wired to Fire bus (not Burg bus).
E32-00	SYStrbl E32 xxx MM/DD/YY HH:MM 'Fire Keypad Trbl' 'E32-NNN SERVICE '	Fire keypad response failure. NNN is keypad number (address 001-015). Check to make sure correct Keypad address configured (no duplicates) and wired to Fire bus (not Burg bus).
E33-NNN	SYStrbl E33 xxx MM/DD/YY HH:MM 'FireEzm Tamper' 'E33-000 SERVICE '	Fire Expansion Zone Module tamper. NN = EZM address number. Check to make sure correct EZM address jumpers (no duplicates) and wired to Fire bus (not Burg bus). In addition, ensure the module is mounted to the wall correctly and the cover is in place.
E35-NNN	'SUPV RELAY TRBL ' 'E35-NN SERVICE '	Supervised output trouble. Check the following: <ol style="list-style-type: none"> 1. NAC's A-D open, short or overcurrent on output. 2. GEMC-SLC-SOM has open or short. 3. GEMC-SLC-SOM is not powered correctly. 4. GEMC-NAC7L or GEMC-NAC7S NAC outputs 1-4 open, shorted or overcurrent on output. 5. Output is disabled (display will read "RlyDis/ E35 NN"). "NN" is the external output number, followed by a programmed 29-character NAC description (multiple "X" characters). For Burglary systems, a GEMC-BSLC-RLY is not responding or its relay is not working correctly.

SYSTEM TROUBLE ERROR CODES (CONT'D)

TBL #	KEYPAD DISPLAY	KEYPAD TROUBLE DESCRIPTION
E51-00	'BURG BELL TRBL ' 'E51-00 SERVICE'	Burg Bell Output Supervision trouble.
E54-00	'ACM1 TROUBLE ' 'E54-00 SERVICE'	Power failure for ACM #1. Check power transformer. Check for blown fuse or circuit breaker; general power outage. Also may indicate battery below 11 volts. If battery not recharged within 24 hours, replace it.
E55-00	'ACM2 TROUBLE ' 'E55-00 SERVICE'	Power failure for ACM #2. Check items listed in E54 above.
E56-00	'ACM3 TROUBLE ' 'E56-00 SERVICE'	Power failure for ACM #3. Check items listed in E54 above.
E57-00	'ACM4 TROUBLE ' 'E57-00 SERVICE'	Power failure for ACM #4. Check items listed in E54 above.
E59-00	'Tcip Comm Fail ' 'E59-NNN SERVICE'	Fail to Communicate with NL-MOD. Caused by not getting required kiss-off with timeout of NL-MOD after a panel-initiated report has been sent. This error is reportable. "NNN" is the receiver number (1-3).
E60-00	SYStrbl E60 000 MM/DD/YY HH:MM 'Housing Tamper ' 'E60-NN SERVICE'	Control panel enclosure ("housing") door was opened and/or removed from mounting location.

SYSTEM TROUBLE ERROR CODES (CONT'D)

TBL #	KEYPAD DISPLAY	KEYPAD TROUBLE DESCRIPTION
E62-00	'BURG MOD NO-RESP' 'E62-00 SERVICE'	Failure of the burglary module to respond to communications. "00" is the module number.
E63-00	'BURG MOD LOBATT' 'E63-00 SERVICE'	A battery trouble has been detected on the battery connected to the GEMC-BM/PS Burg Module. The battery is tested every 4 hours for disconnected or low battery. Also may indicate battery below 11 volts. If battery not recharged within 24 hours, replace it.
E72-00	SYSTRbl E72 xxx MM/DD/YY HH:MM 'RFRec High Noise' 'E72-000 SERVICE '	Wireless Radio Receiver High Noise. Extraneous wireless signals are being detected. Try re-locating the GEMC-RECV receiver to a quieter position. XXX is the receiver number.
E90-00	SLCmod mem TBL	Fire or Burglary SLC module memory failure. Indicates the onboard memory of the SLC device is not working as intended. Attempt to correct by downloading via PCD-Windows Quickloader download software. Replace module if trouble persists.
E91-00	'NLM SUPV TROUBLE' 'E91-000 SERVICE '	NL-MOD supervision trouble. A problem has been detected with the NL-MOD. Caused when control panel is not communicating with the NL-MOD; either the NL-MOD is not working properly or it is not connected to the control panel. Check the 4 wire harness. This error is reportable.

TROUBLESHOOTING

What do I do if...

For more info...

I try to arm my system but the keypad just displays "ZONES NOT NORMAL" and "CAN'T ARM SYSTEM" and beeps at me.

- *If the green STATUS light is off, a zone is open. Find and secure the open window or door.*

See Page 6

I try to arm my system but the keypad displays "SYSTEM TROUBLE" and beeps at me. The Error Codes numbers are displayed.

- *A System Trouble has been detected. Note the scrolling error codes, which represent the trouble. Press **[RESET]** and you will now be able arm to the system, but the trouble must be fixed as soon as possible.*

See Page 7 & 30

SIA CP-01 QUICK REFERENCE CHART

Feature Description	System Programming (to be completed by installer)
Exit Delay. Minimum allowed programmable Exit Delay time is 45 seconds. Default is 60 seconds. The maximum programmable time is 255 seconds.	
Enable SIA FAR Exit /Entry Limits. When this option is enabled, the panel will sound an audible egress sequence when it is armed Away (with interior zones not bypassed). The keypad mini-sounder will beep rapidly during exit delay to indicate exit urgency. If the panel is armed Stay (with interior zones bypassed) the keypad mini-sounder is silent and the exit time is double the programmed time.	
Enable Exit Delay Restart. This option allows for the following scenario before the end of the Exit Time: a violation of an entry/exit zone, a restore, and a second violation of an entry/exit zone restarts the Exit Time. The panel does not allow the Exit Time to be restarted more than once. The default setting for this option is enabled.	
Enable Bell on Exit Error. An Exit Error sequence is initiated if an entry/exit zone is violated at the expiration of the Exit Time.	
Automatic Interior Bypass/Easy Exit. Convert from Away to Stay based on no egress through exit door ...default is enabled. The panel uses the existing programmable feature "Auto Interior Bypass". This feature is enabled in the factory program.	
Report Exit Error/Recent Closing. A Recent Closing transmission is sent if an alarm occurs within two (2) minutes after the expiration of the Exit Time. If the user number is available, it is included in the Recent Closing transmission.	
Entry Delay. Entry Delay time is 30 second minimum, default is 30 seconds. The maximum programmable time is 255 seconds.	
Progress Annunciation. Entry urgency annunciation must be different than the alarm mini-sounder. Requires <i>Keypad Sounder on Alarm</i> on all non-Fire zones.	
Disarm. The panel will silence the keypad entry delay tones and alarm annunciation on the first press of a keypad digit for 2.5 seconds.	

SIA CP-01 QUICK REFERENCE CHART (CONT'D)

Feature Description	System Programming (to be completed by installer)
<p>Abort Window Disarm. The panel will silence the keypad entry delay tones and alarm annunciation on the first press of a keypad digit for 2.5 seconds. Disarming of the area within the Abort Delay period will cause a cancellation of the Central Station alarm report.</p>	
<p>Abort Annunciation after Disarming. Default is enabled. If the panel is disarmed during Abort Delay, the keypad will enunciate abort. "Alarm Cancelled" is displayed on the keypad display.</p>	
<p>Report Cancel Window. When the system is in alarm and the user disarms in an attempt to Cancel within a maximum of 7 minutes after abort timeout, a Cancel Report will be sent. If Cancel Report is enabled by entering a cancel time, Cancel will enunciate on the keypad if the system is disarmed during the Cancel Window. The existing programmable option <i>Report Cancel Window</i> must be programmed for at least 5 minutes to comply with CP-01 (factory default is 7 minutes).</p>	
<p>Duress Code. The panel will not allow duplicate User Codes to be programmed. Note: Keypad(s) must be enabled for Ambush.</p>	
<p>Cross Zoning. Required Option for cross zoning with either programmable time period or specified by manufacturer. Default is disabled. Cross Zone set time = one (1) minute.</p>	
<p>Swinger Shutdown. Zone will only trip once and will not restore automatically. See the glossary entry, "Swinger Shutdown" in the installation manual (WI1653).</p>	
<p>Call Waiting. Disable Call Waiting on 1st Attempt. Default is disabled. When enabled, the telephone number must be programmed with *70 in front of the telephone number. The first attempt will dial with *70 (disabling call waiting). Subsequent attempts (if first attempt is unsuccessful) will dial without *70. Note: The digits used to disable Call Waiting may vary with location. Be sure to confirm with local telephone company. Note: Disabling Call Waiting on a non Call-Waiting line can result in a delay in the connection to Central Station.</p>	

SIA CP-01 QUICK REFERENCE CHART (CONT'D)

Feature Description	System Programming (to be completed by installer)
<p>Enable Ambush Code Type in User Assignment. The Ambush Code is 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. The Ambush Zone will automatically report when programmed to report an alarm.</p>	
<p>System Test. Test Mode for all zones, the sounders, and communicator. The "Fault Find" function (a Function Menu selection) is enabled, and normally causes all hardwired zones to give a two second beep at the keypad(s) when any zone is faulted or restored. As required by SIA CP-01, Fault Find is expanded with the following features when Enable Report Test Mode Start/End is programmed.</p> <ul style="list-style-type: none"> ● When Fault Find is entered, it reports to Central Station that "Test Mode" is in progress. ● Fault Find can not be initiated from an armed panel, and all digital dialer reporting in same area is inhibited while in Fault Find. ● Keypad will display the following warning that the system is in Fault Find: "FAULT FIND RF SIG POWER - - " ● If a 24-hour zone is tripped and not restored during Fault Find, when the mode is exited the zone will display as "Faulted" on the keypad display. ● When Fault Find is exited by pressing RESET, a Fault Find Restore Report will be sent. 	

Notes:

- Un-vacated premises: When the system/partition is armed, the system will arm STAY if no exit. There must be a minimum of one Stay/Away or Delay Stay/Away zone enrolled on the partition.
- There is a Communication Delay of 30 seconds in this control panel. It can be removed, or it can be increased up to 45 seconds at the option of the end user by consulting with the Installer.
- In UL installations, Entry Delay time plus Abort Delay time (total combined times) cannot exceed 60 seconds.
- Enable Exit Delay Restart must be disabled for UL Line Security/Encryption applications.

NOTES

— |

NOTES

| —

NAPCO LIMITED WARRANTY

NAPCO SECURITY SYSTEMS, INC. (NAPCO) warrants its products to be free from manufacturing defects in materials and workmanship for thirty-six months following the date of manufacture. NAPCO will, within said period, at its option, repair or replace any product failing to operate correctly without charge to the original purchaser or user.

This warranty shall not apply to any equipment, or any part thereof, which has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to acts of God, or on which any serial numbers have been altered, defaced or removed. Seller will not be responsible for any dismantling or reinstallation charges.

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THERE IS NO EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. ADDITIONALLY, THIS WARRANTY IS IN LIEU OF ALL OTHER OBLIGATIONS OR LIABILITIES ON THE PART OF NAPCO.

Any action for breach of warranty, including but not limited to any implied warranty of merchantability, must be brought within the six months following the end of the warranty period.

IN NO CASE SHALL NAPCO BE LIABLE TO ANYONE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY THE SELLER'S OWN NEGLIGENCE OR FAULT.

In case of defect, contact the security professional who installed and maintains your security system. In order to exercise the warranty, the product must be returned by the security professional, shipping costs prepaid and insured to NAPCO. After repair or replacement, NAPCO assumes the cost of returning products under warranty. NAPCO shall have no obligation under this warranty, or otherwise, if the product has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to accident, nuisance, flood, fire or acts of God, or on which any serial numbers have been altered, defaced or removed. NAPCO will not be responsible for any dismantling, reassembly or reinstallation charges.

This warranty contains the entire warranty. It is the sole warranty and any prior agreements or representations, whether oral or written, are either merged herein or are expressly canceled. NAPCO neither assumes, nor authorizes any other person purporting to act on its behalf to

modify, to change, or to assume for it, any other warranty or liability concerning its products.

In no event shall NAPCO be liable for an amount in excess of NAPCO's original selling price of the product, for any loss or damage, whether direct, indirect, incidental, consequential, or otherwise arising out of any failure of the product. Seller's warranty, as hereinabove set forth, shall not be enlarged, diminished or affected by and no obligation or liability shall arise or grow out of Seller's rendering of technical advice or service in connection with Buyer's order of the goods furnished hereunder.

NAPCO RECOMMENDS THAT THE ENTIRE SYSTEM BE COMPLETELY TESTED WEEKLY.

Warning: Despite frequent testing, and due to, but not limited to, any or all of the following; criminal tampering, electrical or communications disruption, it is possible for the system to fail to perform as expected. NAPCO does not represent that the product/system may not be compromised or circumvented; or that the product or system will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; nor that the product or system will in all cases provide adequate warning or protection. A properly installed and maintained alarm may only reduce risk of burglary, robbery, fire or otherwise but it is not insurance or a guarantee that these events will not occur. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE, OR OTHER LOSS BASED ON A CLAIM THE PRODUCT FAILED TO GIVE WARNING. Therefore, the installer should in turn advise the consumer to take any and all precautions for his or her safety including, but not limited to, fleeing the premises and calling police or fire department, in order to mitigate the possibilities of harm and/or damage.

NAPCO is not an insurer of either the property or safety of the user's family or employees, and limits its liability for any loss or damage including incidental or consequential damages to NAPCO's original selling price of the product regardless of the cause of such loss or damage.

Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, or differentiate in their treatment of limitations of liability for ordinary or gross negligence, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

THE FOLLOWING STATEMENT IS REQUIRED BY THE FCC.

This equipment generates and uses radio-frequency energy and, if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class-B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning

the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: reorient the receiving antenna; relocate the computer with respect to the receiver; move the computer away from the receiver; plug the computer into a different outlet so that computer and receiver are on different branch circuits. If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402; Stock No. 004-000-00345-4.

Napco Security Technologies, Inc., 333 Bayview Avenue, Amityville, NY 11701

DESIGN PATS. PENDING