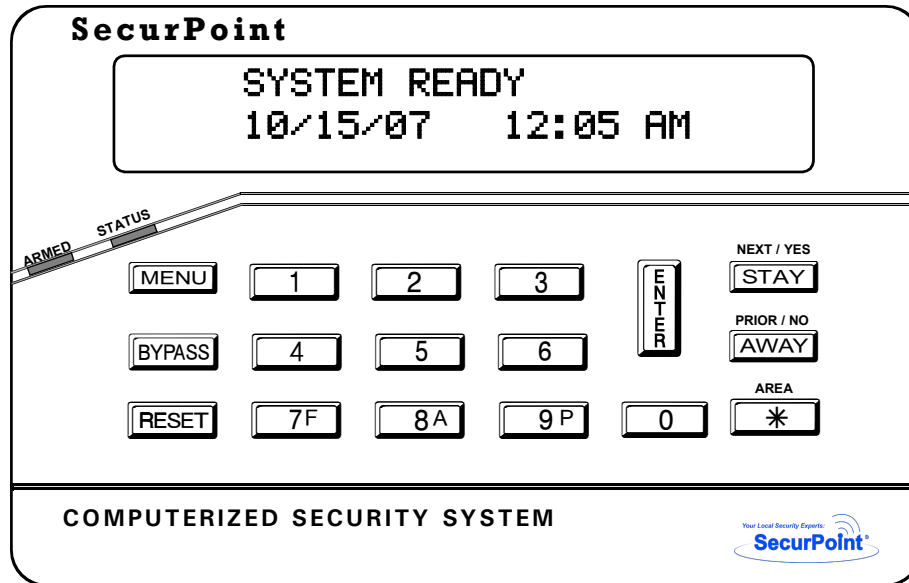


# OPERATING GUIDE for your SecurPoint KEYPAD



# INTRODUCTION

The GEM-K1CA is a “*smart*” user-friendly, interactive menu-driven keypad designed for your SecurPoint 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 GEM-K1CA Keypad. Read it carefully.

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. SecurPoint 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).

## 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 **AWAY**) until “ACTIVATE BELL TEST” appears in the window.
3. Press YES (**STAY**) 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 **AWAY**) until “ACTIVATE DIALER TEST” appears in the window.
4. Press YES (**STAY**) 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.

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## TO SILENCE AN ALARM, ENTER YOUR CODE, AND PRESS .

FOR SERVICE, CALL: \_\_\_\_\_

CENTRAL STATION: \_\_\_\_\_

EXIT DELAY: \_\_\_\_\_

ENTRY DELAY: \_\_\_\_\_

FIRE ALARM SOUND\*:  
\_\_\_\_\_

BURGLAR ALARM SOUND\*:  
\_\_\_\_\_

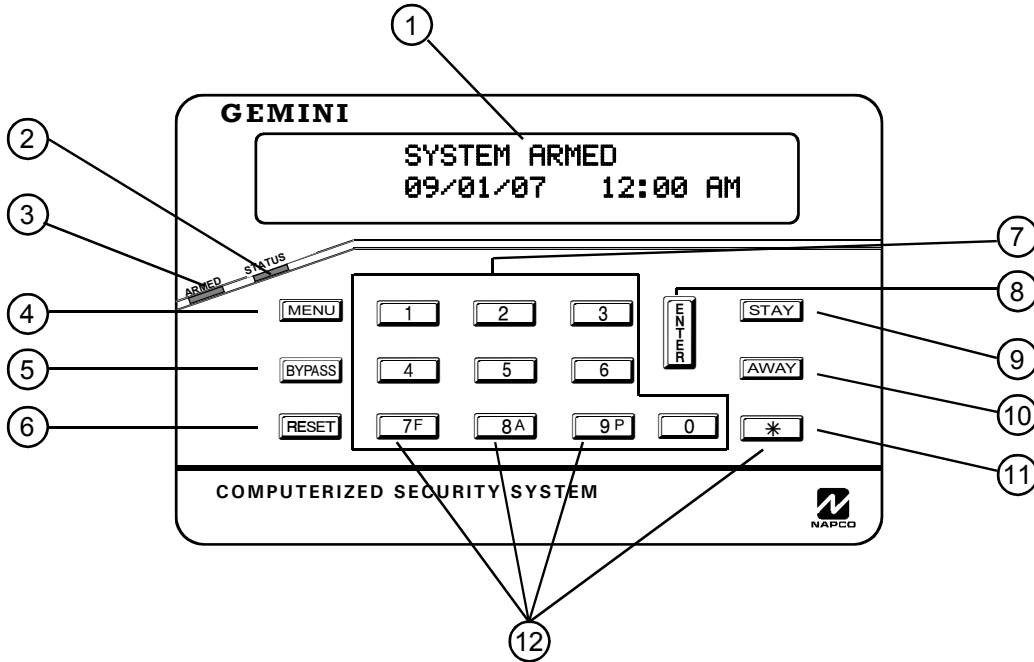
KEYPAD FIRE ENABLED?       YES    NO

KEYPAD PANIC ENABLED?     YES    NO











KEYPAD AUX. ENABLED?      YES    NO

\*FIRE HAS PRIORITY OVER BURGLARY.

# 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 **MENU 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 (GEM-P3200/9600 panels only).
- ⑥ **RESET Button.** (1) Resets various system troubles, displays, etc. (See text.) (2) Resets residential smoke detectors.
- ⑦ **Numerical Keys (1-9, 0).** Used to enter codes, zone numbers, etc.
- ⑧ **ENTER Button.** Entry key. Causes the entered code or selected function to be executed.
- ⑨ **STAY Button.** (1) Bypasses all Interior Zones simultaneously ("STAY Mode") to allow free movement within the premises. Hold down  when the system is armed in "STAY Mode" to cancel entry delay on Exit/Entry Zones, causing an instant alarm upon violation. (2) Scrolls the window display forward (NEXT). (3) Answers "YES" to questions in the window display.
- ⑩ **AWAY Button.** (1) Arms all zones in the system, with display indicating the exit time remaining. (2) Scrolls window display backward (PRIOR). (3) Answers "NO" to questions in the window display.
- ⑪ **AREA Button** (). Selects other areas and is used with emergency buttons.
- ⑫ **Emergency Buttons.** Used with the  button to signal an emergency, as follows:  
Press the  and the  buttons for Fire Emergency.  
Press the  and the  buttons for Auxiliary Emergency.  
Press the  and the  buttons for Police Emergency.

# ARMING AWAY: SETTING THE ALARM WHEN LEAVING

SYSTEM READY

EXIT TIME 060  
PLEASE LEAVE NOW

CAN'T ARM SYSTEM  
ZONES FAULTED

ZONES FAULTED

02 BACK DOOR

BYPASSED BYPASSED

BYPASSED 02 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 come on and the window will display “SYSTEM READY”.
- 2 Arm the system.** Enter your code and press **[AWAY]**. 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. “CAN'T ARM SYSTEM” and “ZONES FAULTED”, 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 by pressing **[BYPASS]**, then the zone number (or vice versa).

**Note:** Bypassed zones are unprotected. If armed with zones bypassed, be sure to have the system checked as soon as possible

# ARMING AWAY: SETTING THE ALARM WHEN LEAVING

## SYSTEM TROUBLE

SYS/TRBL

## LOW BATTERY E02-00 SERVICE

SYS/TRBL

## CAN'T ARM SYSTEM PRESS RESET KEY

SYS/TRBL

## 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. "E02-00" (low battery); see SYSTEM TROUBLE ERROR CODES), a 3-second tone will sound at the keypad. The window will display "CAN'T ARM SYSTEM, PRESS RESET KEY". 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 **DISARM**. The keypad will now provide status and control of that area.
3. Enter your User Code followed by **AWAY** to arm or disarm the area.
4. Press **\*** followed by **DISARM** to return to the home area.

### Global Arming (Optional) (Available only with the GEM-P3200/9600 panels)

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

To **disarm** all areas simultaneously, press **0**, **\*** and enter your code followed by **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 Area in trouble. 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.

## ARMING STAY: PROTECTING YOURSELF AT HOME

BYPASSED **ARMED STAY**

### Arming in STAY Mode

Interior Zones, when bypassed, allow free movement within the home while the protection of armed perimeter zones is maintained. To bypass Interior Zones, enter your User Code and press **[STAY]**.

**SYSTEM ARMED I**

### Instant Protection

When retiring for the evening, after all family members are home, you can cancel the entry delay on the Entry Zone(s).

To arm with instant protection, **press and hold down [STAY] for 2 seconds** 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" ("SYSTEM ARMED I" will display with the GEM-P9600/3200) and the red ARMED light will flicker rapidly to indicate *instant protection*.

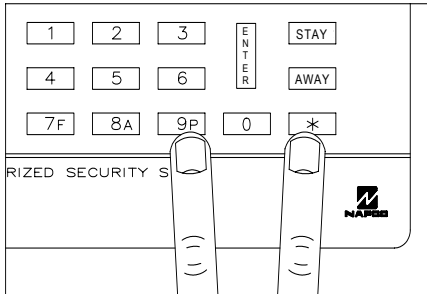


# ARMING STAY: PROTECTING YOURSELF AT HOME





## Easy Exit (Optional - Easy Exit programmed? YES NO)







Your system may have been programmed for Easy Exit, which allows a user to exit the premises while the system is armed STAY. By activating Easy Exit while the system is armed STAY, 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 STAY. 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. (GEM-P3200/GEM-P9600 V20 or greater, GEM-P816/P1632 V9A or greater)



## 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.

- **Fire Emergency** Simultaneously press  and  to alert the central station of a fire emergency. \*(Fire Emergency programmed? YES NO)
- **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 SYSTEM  
ENTRY TIME XXX


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 tone to remind you to disarm the system before your Entry Delay time expires.
- 2 Enter your User Code and press . 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 and press . 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 .

**Ambush** (Optional) Your Ambush Code Type is: TYPE 1 (Prefix) TYPE 2 (Unique)

**My Ambush Code is** \_\_\_\_\_

If an intruder forces you to disarm your system, enter your Ambush Code and press . There are two types of Ambush Codes: (1) A 2-digit code (prefix) entered just prior to your normal User Code and (2) A separate and unique User Code.

*Example Type 1 (Prefix):* If your User Code is 1234 and your Ambush Code is 99, press       .

*Example Type 2 (Unique):* If your User Code is 1234 and your Ambush Code is 8899, press     .

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.

# FIRE PROTECTION

*(Applicable only where local ordinance permits use of this alarm control panel for fire protection.)*

FIRE FIRE ALARM

## Fire-Zone Alarm

If a fire is detected, "FIRE ALARM" will be displayed and the keypad sounder will pulse. In addition, the "FIRE" icon will flash.

1. If a fire is in progress, evacuate the premises immediately! If necessary, call the Fire Department from an outside phone.
2. Press the **RESET** button to silence the keypad sounder.
3. If there is no evidence of a fire, enter your User Code and press **EMERGENCY** to turn off the alarm.
4. Check smoke detector(s). If a smoke detector tripped, its red alarm indicator light will be on.

After the alarm condition is corrected (thermostat cooled down; smoke cleared from detector; etc.), pressing **RESET** again will reset the keypad within about 10 seconds.

**NOTE:** When the Fire Zone is reset, the FIRE icon on the left side of the display will go out. If the FIRE icon is still displayed, the fire zone has not been properly reset. If you cannot clear this condition by pressing **RESET**, call for service.

FIRE TBL  
SYS TBL  
FIRE TROUBLE

## Fire-Zone Trouble

1. If a problem in the fire-circuit is detected, "FIRE TROUBLE" will display and the sounder will pulse to signal a malfunction. The "FIRE TBL" icon will display, and the "SYS TBL" icon will flash.
2. Press **RESET** to silence the sounder. Call for service immediately!

# FIRE PROTECTION

## Preparing a Fire Escape Plan

Even with the most advanced fire alarm system, adequate protection requires an escape plan.

To prepare your plan, draw floor plans of your building. (Space is provided on the next page). Show two exits - a front or back door and a window from each room. (Make sure the window works. You may need a special fire-escape ladder if the window is high up). Write down your outside meeting place.

### Family Rehearsal.

Rehearse each of the following activities:

1. Everyone in his room with the doors

closed.

2. One person sounds the alarm.
3. Each person tests his door.
4. Pretend the door is hot and use the alternate escape exit.
5. Everyone meets outdoors at the assigned spot.

### Important! - Read Carefully

Discuss these escape procedures with all those who use the building:

1. In a residence, sleep with the bedroom door closed. A closed door will hold back deadly smoke while you escape.
2. When the fire alarm signals, escape quickly. Do not stop to pack.
3. Test the door. If it is hot, use your

alternate route through the window. If the door is cool, brace your shoulder against it and open it cautiously. Be ready to slam the door if smoke or heat rushes in. Crawl through smoke, holding your breath. Close the doors again on leaving to help prevent the fire from spreading.

4. Go to your specific outdoor meeting place so you can see that everyone is safe.
5. Assign someone to make sure nobody returns to the burning building.
6. Call the Fire Department from a neighbor's telephone.

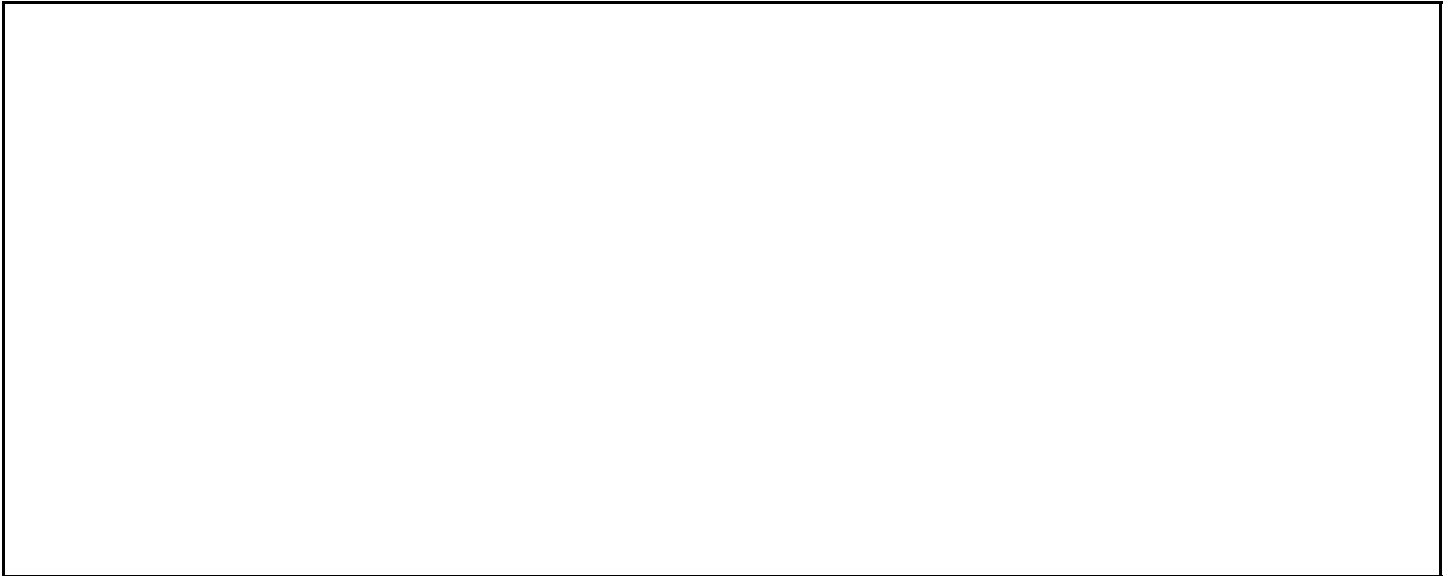
## Would You Like More Safety Information?

For more information on home fire detection, burn safety, and home fire safety, write to the National Fire Protection Association, Public Affairs Dept. 05A, Batterymarch Plaza, Quincy, MA 02269.

# FIRE PROTECTION

## Floorplan

Draw a plan of your premises in the space provided below.

A large, empty rectangular box with a black border, intended for drawing a floorplan of the premises.

Floorplan

# FIRE PROTECTION

## LIMITATIONS OF FIRE ALARM WARNING SYSTEM

Although a fire alarm system may be of a reliable and state-of-the-art design, neither it nor its peripheral detection devices can offer guaranteed protection against fire. Any such equipment may fail to warn for a variety of reasons:

Control panels, communicators, dialers, smoke detectors, and many other sensing devices will not work without power. Battery-operated devices will not work without batteries, with dead batteries, or with improperly-installed batteries. Devices powered solely by AC will not work if their power source is cut off for any reason.

Fires often cause a failure of electrical power. If the system does not contain a working battery backup power supply, and if the electrical circuit feeding the devices is cut or is not providing power for any reason, the system will not detect heat or smoke or provide any warning of a possible fire.

Telephone lines needed to transmit alarm signals to a central monitoring station may be out of service.

Smoke detectors, though highly effective in reducing fire deaths, may not activate or provide early-enough warning for a variety of

reasons: (a) they may not sense fires that start where smoke cannot reach them, such as in chimneys, walls, roofs, behind closed doors, etc.; (b) they may not sense a fire on a different level of the residence or building; (c) they have sensing limitations; no smoke detector can sense every kind of fire every time.

Thermostatic heat detectors do not always detect fires because the fire may be a slow smoldering low-heat type (producing smoke); because they may not be near the fire; or because the heat of the fire may bypass them. These detectors will not detect oxygen levels, smoke, toxic gases, or flames. Therefore, they may only be used as part of a comprehensive fire-detection system in conjunction with other devices. Under no circumstances should thermostatic heat detectors be relied upon as the sole measure to ensure fire safety.

Alarm warning devices such as sirens, bells, or horns may not alert someone behind a closed or partially-opened door. Warning devices located on one level are less likely to alert those on a different level. Even those who are awake may not hear the warning if the alarm is obscured by noise from a stereo,

radio, air conditioner, or other appliance, or by passing traffic, etc. Alarm warning devices, however loud, may fail to warn the hearing impaired.

Alarm products, as all electrical devices, are subject to component failure. Even though the equipment is designed for many years of trouble-free performance, electronic components could fail at any time.

Above are some of the reasons that fire alarm equipment could fail. The most common cause of an alarm system not functioning when a fire occurs is inadequate testing and maintenance. The system should be tested at least weekly to ensure that all the equipment is working properly.

While an alarm system may make one eligible for lower insurance rates, it is not a substitute for insurance. Homeowners, property owners, and renters are therefore urged to maintain adequate insurance coverage of life and property.

## FUNCTION MENU

The keypad can provide access to a wide assortment of utility functions. The functions are displayed in a prompting “YES/NO” format.

- 1 To enter the Function Menu, press **MENU**.
  - In all UL-listed or high-security installations, a valid User Code must first be entered followed by **MENU**.
- 2 To skip a function, answer NO (**AWAY**) or **MENU**.
- 3 To select and execute a function, answer YES (**STAY**) or **ENTER**.
  - Functions may be manually scrolled forward or backward using **MENU** and **BYPASS**, respectively.
  - To return to normal keypad operation, press the **RESET** button. The keypad will automatically return to its normal operating mode if no activity is detected for longer than one minute.

**DISPLAY  
ZN FAULTS      Y/N**

**Display Zone Faults?** Displays the zone number of zones that are not secured. If needed, press the NEXT and PRIOR Buttons, as displayed on-screen, to scroll faulted zones (required for GEM-P3200/9600 panels. GEM-P816/1632 panels will *auto-scroll*).

**DISPLAY  
ZN BYPASSED    Y/N**

**Display Zones Bypassed?** Displays bypassed zones. If needed, press NEXT(**STAY**) and PRIOR (**AWAY**) to scroll bypassed zones (required for GEM-P3200/9600 panels. GEM-P816/1632 panels will *auto-scroll*).

**DISPLAY  
ZN DIRECTORY    Y/N**

**Display Zone Directory?** Displays a listing of all zones in the Area. If needed, press NEXT(**STAY**) and PRIOR (**AWAY**) to scroll zone directory (required for GEM-P3200/9600 panels. GEM-P816/1632 panels will *auto-scroll*). (**Note:** This function available with GEM-P1632 control panel firmware version 9a or later).

## FUNCTION MENU

<b>ACTIVATE BELL TEST</b>	<b>Y/N</b>
-------------------------------	------------

**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 E02-00 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.

<b>DISPLAY SYS TRBL</b>	<b>Y/N</b>
-----------------------------	------------

**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(**STAY**) and PRIOR (**AWAY**) to scroll system troubles. (For GEM-P9600/3200 panels only).

<b>DISPLAY FIRE ALARM</b>	<b>Y/N</b>
-------------------------------	------------

**Display Fire Alarms?** Displays alarms that have occurred on the Fire Zone(s). Press the NEXT and PRIOR Buttons to scroll zones (required for GEM-P3200/9600 panels. GEM-P816/1632 panels will *auto-scroll*).

<b>DISPLAY FIRE TRBL</b>	<b>Y/N</b>
------------------------------	------------

**Display Fire Troubles?** Displays trouble conditions that have been detected on the Fire Zone(s). Use NEXT(**STAY**) and PRIOR (**AWAY**) to scroll zones (required for GEM-P3200/9600 panels. GEM-P816/1632 panels will *auto-scroll*).

<b>ACTIVATE CHIME</b>	<b>Y/N</b>
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**Activate Chime?** 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 (**STAY**). **Note:** The Chime Mode is disabled while armed.

<b>ACTIVATE WATCH</b>	<b>Y/N</b>
---------------------------	------------

**Activate Watch Mode?** (Optional - Watch Mode programmed? YES NO) This optional feature simultaneously turns on all zones designated as Day Zones, which will cause an indication at the keypad if a zone is opened while the system is disarmed. To deactivate the Watch Mode, arm, then disarm. All Day Zones will revert to regular Burglary Zones. **Note:** The Watch Mode is disabled while armed. (**Note:** This function available with GEM-P9600 and GEM-P3200 control panels only).



## FUNCTION MENU

RESET  
SYS TRBL Y/N

**Reset System Trouble?** 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). Your system may have been programmed for Sensor Watch, a feature which supervises the motion sensors in the system. If a Sensor Watch failure occurs, a System Trouble E22-NN will result, where NN represents the zone number of the sensor in question. To reset, press **RESET** to clear the display, enter the Function Menu, scroll to "RESET SENSOR MSG" and press **ENTER**. If you cannot correct the problem, call for service. (**Note:** This function available with GEM-P9600 and GEM-P3200 control panels only).

START  
EXIT TIME Y/N

**Start Exit Time?** (Optional) (Start Exit Time programmed? YES NO) In Commercial Burglary systems, exit delay may have been programmed to start after a central-station "ringback" (verification) signal has been received. If the ringback tone has not been received within about 30 seconds after arming, a communication problem may exist. Use this function to start exit delay manually, then exit the premises immediately. Be sure to have your alarm specialist check communications with the central station as soon as possible. (**Note:** This function available with GEM-P9600 and GEM-P3200 control panels only).

## FUNCTION MENU

**ACTIVATE  
DIALER TEST      Y/N**

**Activate Telephone Test?** (Telephone Test programmed?  YES  NO). 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.

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

**Delay Arming 1-4 hours.** (Not for UL-listed systems). Your system may be set to arm automatically after a delay period of 1 to 4 hours.

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 , 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.

## FUNCTION MENU

**ACTIVATE  
PROGRAM**

Y/N

**Activate Program?** Activates the Program Mode from Keypad No. 1. **Note:** This feature is disabled while armed. (See PROGRAMMING USER CODES)

**ACTIVATE  
DOWNLOAD**

Y/N

**Activate Download?** For installer's use only. If accidentally enabled, press **RESET** to exit. **Note:** This feature is disabled while armed.

**RELAY  
CONTROL**

Y/N

**Relay Control?** (Relay Control programmed?  YES  NO).

Turns ON or OFF one or more programmed Relay Groups. Press **ENTER** to turn the displayed group on or off; press NEXT(**STAY**) to proceed to the next group, or PRIOR (**AWAY**) to scroll back to the previous group. Press **RESET** when done.

(**Note:** This function available with GEM-P9600 and GEM-P3200 control panels only).

- Relay Group 01: [ \_\_\_\_\_ ]
- Relay Group 02: [ \_\_\_\_\_ ]
- Relay Group 03: [ \_\_\_\_\_ ]
- Relay Group 04: [ \_\_\_\_\_ ]
- Relay Group 05: [ \_\_\_\_\_ ]
- Relay Group 06: [ \_\_\_\_\_ ]
- Relay Group 07: [ \_\_\_\_\_ ]
- Relay Group 08: [ \_\_\_\_\_ ]

# GLOSSARY

Following are brief descriptions of terms and features used herein that may be unfamiliar to you. 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.

**Ambush Code** - A code entered when forced to disarm. Sends a silent alarm to the central station with no indication at the keypad. There are two types: (1) A 2-digit code (prefix) entered just prior to your normal User Code and (2) 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 pressing  (optional).

## GLOSSARY

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

**Instant Protection** - Arming without entry delay using the **AWAY** 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 **7F**, **8A** or **9P**). If enabled, pressing **\*** together with **7F**, **8A** or **9P** will alert the central station of a fire, auxiliary, 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 supervisory-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 zone in trouble; (c) a Day-Zone condition exists (see Zones: Day Zone); (d) 10 seconds exit time remaining; (e) invalid code 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.

## GLOSSARY

**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 in trouble (faulty) 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 in trouble 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.

**Fire Zone:** Detects fire alarms or trouble conditions.

**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 **STAY** button.

**Priority Zone:** A zone that prevents arming if in trouble.

**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.**

Trouble Indication	System Trouble Condition	Action
<b>E01-00</b>	AC Power Failure	This trouble will occur if AC power is not present. Make sure system transformer is plugged into AC receptacle and check the circuit breaker, otherwise call installing company for service.
<b>E02-00</b>	Low Battery	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 daily test of the battery, at which time the trouble will clear if the battery has been recharged. If the trouble does not clear in 24 hours, call installing company for service.
<b>E03-00</b>	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: <ol style="list-style-type: none"> <li>1 While disarmed, enter your User Code followed by <b>[MENU]</b>.</li> <li>2 Answer NO (<b>[AWAY]</b>) until "ACTIVATE DIALER TEST" appears in the window.</li> <li>3 Press YES (<b>[STAY]</b>) to send a test signal to the central station.</li> </ol> If the trouble continues, call installing company for service.

## SYSTEM TROUBLE ERROR CODES

Trouble Indication	System Trouble Condition	Action
<b>E04-NN</b>	Wireless Transmitter Supervisory Failure	A problem has been detected with a wireless transmitter. Call installing company for service
<b>E05-NN</b>	Wireless Transmitter Low Battery	<p>The battery in a wireless transmitter is low and should be replaced. This transmitter is on the zone corresponding to the number NN. The replacement battery for the GEM-TRANS2 door/window transmitter, GEM-PIR motion detector and GEM-GB glass break detector is the Duracell DL123A 3 volt lithium. (2 required for the GEM-PIR and GEM-GB.) The replacement battery for the GEM-SMK is the Duracell MN1604 9 Volt Alkaline (2 required). The GEM-DT Dual Technology Sensor requires 4 C cell alkaline batteries.</p> <p><i>Warning: Replace batteries only with the same type as specified above. Use of another battery may present a risk of fire or explosion. Do not recharge or disassemble battery, or dispose of in fire.</i></p>
<b>E06-NN</b>	Receiver Response Failure	Call installing company for service.
<b>E07-00</b>	Download Failure	Call installing company for service.
<b>E08-00</b>	Telephone Line Cut	The telephone line has failed. If telephone service has been temporarily interrupted, the trouble will clear automatically when it is restored. Otherwise, call installing company for service.
<b>E09-00</b>	System Cold Start	



## SYSTEM TROUBLE ERROR CODES

Trouble Indication	System Trouble Condition	Action
<b>E10-NN</b>	Keypad Response Failure	Call installing company for service.
<b>E11-NN</b>	Keypad Tamper	A keypad has been removed from the wall. Call installing company for service if problem cannot be repaired.
<b>E12-NN</b>	Expansion Zone Module Response Failure	Call installing company for service.
<b>E13-NN</b>	Expansion Module Tamper	The cover has been removed from a zone expansion module. A problem has been detected with an Expansion Module. Call installing company for service.
<b>E14-NN</b>	Relay Board Response Failure	NN= Relay Board Number. Call installing company for service.
<b>E15-NN</b>	RF Transmitter Tamper	Wireless Transmitter Tamper Cover removed. NN=Transmitter Number. Call installing company for service.
<b>E16-NN</b>	Wireless Receiver Jam	A problem has been detected with the wireless receiver. Call installing company for service.
<b>E17-NN</b>	Receiver Tamper Condition	Call installing company for service.
<b>E18-NN</b>	KeyFob Transmitter Low Battery	<p>The batteries (2) in the wireless KeyFob transmitter indicated are low and should be replaced. The replacement battery is the #386 watch battery.</p> <p><i>Warning: Replace batteries only with the same type as specified above. Use of another battery may present a risk of fire or explosion. Do not recharge or disassemble battery, or dispose of in fire.</i></p>

## SYSTEM TROUBLE ERROR CODES

Trouble Indication	System Trouble Condition	Action
<b>E19-00</b>	User Program Memory Error	Call installing company for service.
<b>E20-00</b>	Dealer Program Memory Error	Call installing company for service.
<b>E21-00</b>	System Shutdown	Call installing company for service.
<b>E22-NN</b>	Sensor Watch Activity Failure	A Motion Sensor on the zone indicated has failed the programmed Sensor Watch activity test. Insure that the sensor is able to detect activity in the area; clear any obstacles which may be blocking the sensor from detecting activity. Press <b>[RESET]</b> to clear the display, and then use the Function Menu to Reset Sensor Watch Failure (see page 17). If you cannot correct the problem yourself, call installing company for service.
<b>E23-00</b>	Burglary Bus Failure	Call installing company for service.
<b>E24-00</b>	Service Message	The system is in need of a preventive maintenance service call. Call installing company for service.
<b>E27-00</b>	Printer Failure	Call installing company for service.
<b>E39-00</b>	Receiver Capacity Error	Call installing company for service.

## SYSTEM TROUBLE ERROR CODES

Trouble Indication	System Trouble Condition	Action
<b>E40-00</b>	RF Self Test Failure	A wireless motion sensor on the zone indicated has failed its automatic self test routine. Call installing company for service.
<b>E41-NN</b>	Fire Trouble	A problem has been detected on the Fire zone indicated. Call installing company for service. (GEM-P1632 and GEM-P816 panels only).
<b>E51-00</b>	Bell/Siren Trouble	There is a problem with the Bell or Siren. Call installing company for service.
<b>E58-00</b>	Telemetry Trouble	Call installing company for service.
<b>E59-00</b>	Telemetry Failure	Call installing company for service.
<b>E66-00</b>	Dirty Smoke Detector	"Clean Me" indication (Smoke Detector dirty). Call installing company for service.
<b>E99-00</b>	Keypad Panic Shorted too Long	Call installing company for service.

## 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 & 33*

The Fire Alarm is sounding and I don’t know how to turn it off.

*If a fire is in progress, evacuate the premises immediately! If necessary, call the Fire Department from an outside phone. If there is no evidence of a fire, enter your code and press **STOP** to silence the alarm.*

*See Page 11*

*Note the Zone Number displayed. Check the smoke detector(s). If a smoke detector tripped, its red alarm indicator light will be on. Press **RESET** to silence the keypad sounder.*