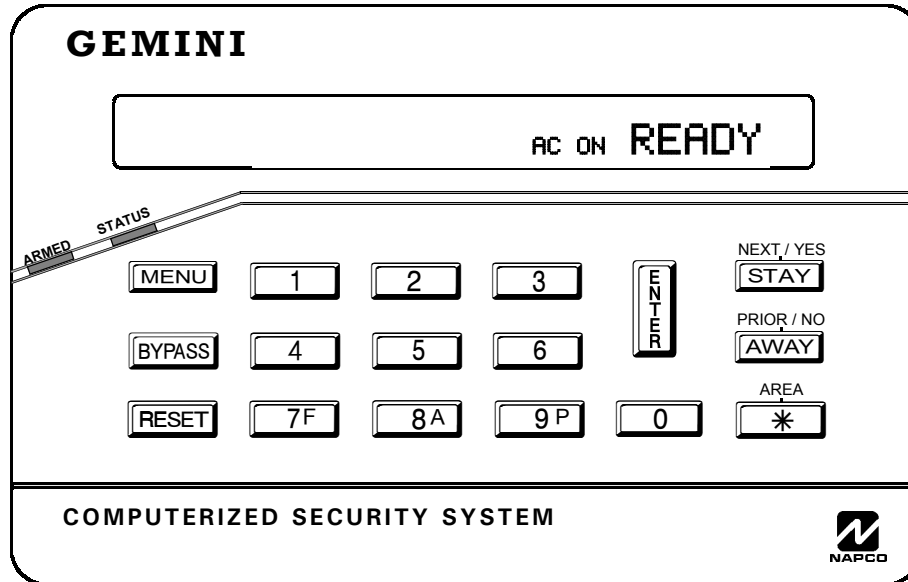


OPERATING GUIDE for your GEM-K2AS KEYPAD



INTRODUCTION

The GEM-K2AS is a “*smart*” user-friendly, interactive menu-driven keypad designed for your Napco 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-K2AS 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).

IMPORTANT - TEST YOUR SYSTEM WEEKLY

Test your sounding device.

1. While disarmed, enter your User Code and press **[MENU]**.
2. Answer NO (press **[AWAY]**) until “Bell Test Yes/No” 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 or sounds weak, call for service.

Test your telephone line

(Turn On Telephone 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 “TurnOn TelTst Yes/No” appears in the window.
4. Press YES (**[STAY]**) to send a test code to the central station.
 - If the test is not successful, “E03 COMMFL” will display, indicating a communication failure. Call for service.

Note: Any subsequent successful transmission will clear an “E03 COMMFL” 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*:

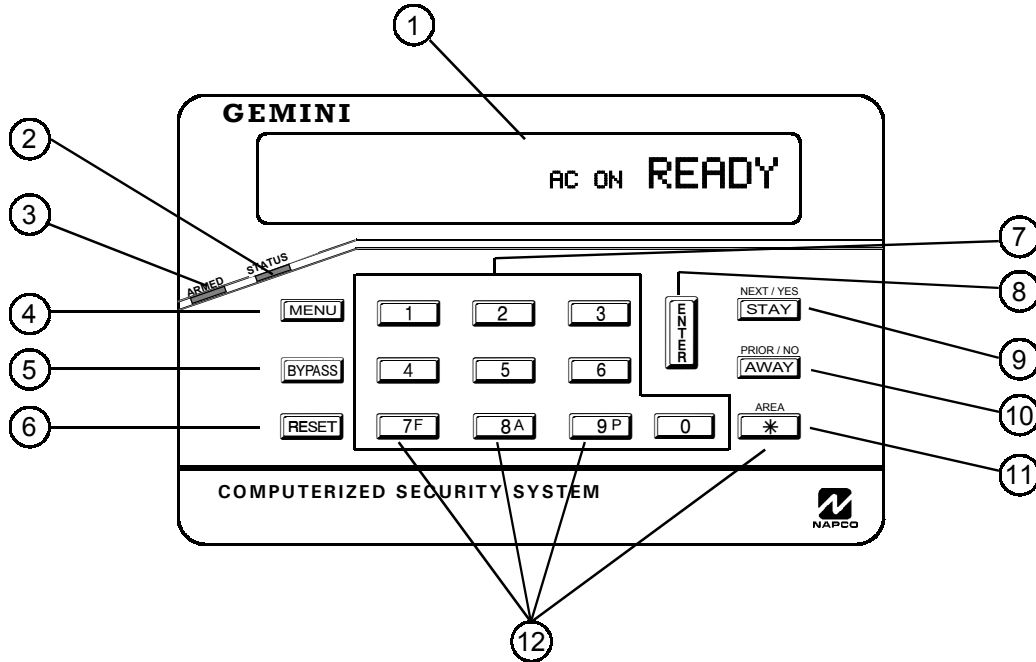
KEYPAD FIRE ENABLED? YES NO

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-P9600/3200 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

AC ON READY

AC ON FAULT/
ZONE 02

BYPASSED AC ON READY

AC ON EXIT/
XX SEC

Arming the System

Note: The keypad will autoscroll messages that are longer than one line.

- 1 Check the keypad.** The green STATUS light must be on in order to arm. If the green light is off, "FAULT" will display in the window followed by the number 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 "READY".

Bypass faulted 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.

- 2 Arm the system.** Enter your code and press **[AWAY]**. The green STATUS light will go off, the red ARMED light will turn on and the window will alternately display "EXIT" and "XX SEC" (where "XX" represents the exit time remaining, in 10-second steps). **Note:** If you enter an invalid code, the keypad will display "Wrong Code".
- 3 Leave the premises.** Leave through the exit door before exit time expires.

ARMING AWAY: SETTING THE ALARM WHEN LEAVING

AC ON CAN'T/
ARM

AC ON CAN'T/
ARMZNF

AC ON CAN'T/
ARMSIL

AC ON CAN'T/
ARMSND

TROUBLE CAN'T/
AC ON ARMRST

Priority Arming. If you attempt to arm with a faulted *Priority Zone*, a 3-second tone will sound at the keypad, and "CAN'T ARM" will display in the window, indicating that the trouble(s) must be corrected before the panel can be armed. A zone selected as *Priority Zone with Bypass* (check your Alarm Plan) may be bypassed if in trouble. If the problem cannot be corrected immediately, press **RESET**, then arm the panel. A 3 second beep will sound at the panel to indicate arming with a Priority Zone in trouble. Be sure to have the trouble repaired as soon as possible.

Silence Alarm. If you enter your code while the alarm is sounding the message "CAN'T/ARMSIL" will be displayed. The system will silence the alarm and will be ready to be armed again.

Alarm Sounding. If you are attempting to arm with Easy Arm (Optional) and the alarm is sounding, "CAN'T ARMSND" will be displayed. The alarm will not silence. Only a valid User Code will silence the alarm.

System Trouble. If you enter your User Code with a system trouble present, the message "CAN'T ARMRST" will be displayed. To arm, press **RESET** and the system troubles should disappear.

ARMING AWAY: SETTING THE ALARM WHEN LEAVING

TROUBLE SYSTBL/
AC ON EXX-XX

TROUBLE CAN'T/
AC ON ARM

AC ON READY1

If you attempt to arm with a "TROUBLE" display (alternating with a system trouble error code), a 3-second tone will sound at the keypad. (See SYSTEM TROUBLE ERROR CODES for descriptions of codes). The window will display "CAN'T ARM". 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. In a multi-area system, the area number will be indicated by the right-most digit.

Manager's Mode The Manager's Mode, if enabled, provides quick access to other areas without the system status display. (This is NOT a high-security feature).

To arm any area:

1. Press the numerical key representing the area number.
2. Press ***** followed by **RESET**. In effect, you will now "be" in that area.
3. Enter your User Code followed by **AWAY** to arm or disarm the area. **Note:** Your code must be valid in that area.
4. Press ***** followed by **RESET** to return to the home area.

Global Arming (For GEM-P9600/3200 panels only). To arm all areas simultaneously (including the area you are in), press **9P**, *****, enter your code and press **RESET**.

If any zone is not secured, the keypad will alternately display "CAN'T ARM / AREA #", where "#" identifies the number of the area(s) in trouble. All problem zones in the respective area(s) must be secured or bypassed before the area can be armed. **Note:** If a system trouble is indicated, the system cannot be armed using this method.

To disarm all areas, press **0**, *****, enter your code and press **RESET**.

AC ON CAN'T/ARM/
AREA#

ARMING STAY: PROTECTING YOURSELF AT HOME

BYPASSED INTERIOR
AC ON

READY

Arming in STAY Mode

Interior Zones, when bypassed, allow free movement within the premises while the protection of armed perimeter zones is maintained. Enter your code, then press **[STAY]**. The red ARMED light will turn on and the green STATUS light will blink, indicating zones bypassed. After the exit time has elapsed, the window will display "ARMED".

BYPASSED

AC ON

SYSTEM
READY

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)

ARMING STAY: PROTECTING YOURSELF AT HOME

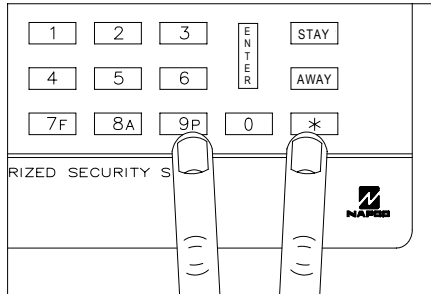
INSTANT ON
AC ON

ARMED

Instant Protection

When retiring for the evening, after all family members are home, you can cancel the entry delay on the Entry Zone(s). Then, when armed, opening the entry door will cause an immediate alarm. (When arming, exit delay will remain in effect).

1. To cancel the entry delay while on the premises, press and hold down **STAY** for 2 seconds after arming.
2. When armed, the window will display "SYSTEM ARMED" and the red ARMED light will flicker rapidly to indicate *instant protection*. ("SYSTEM ARMED I" will appear for the GEM-P9600/3200 panels).



Emergency Buttons (Only available if programmed)

The Blue Emergency Buttons (**7F**, **8A** & **9P**), 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 **7F** and ***** to alert the central station of a fire emergency. *(Fire Emergency programmed? YES NO)
- **Auxiliary Emergency** Simultaneously press **8A** and ***** to alert the central station of an Auxiliary emergency. *(Auxiliary Emergency programmed? YES NO)
- **Police Emergency** Simultaneously press **9P** and ***** to alert the central station of a police emergency. *(Police Emergency programmed? YES NO)


TURNING OFF THE ALARM (DISARMING) WHEN RETURNING

AC ON
DISARM/
XXXSEC

AC ON
Wrong/
Code

AC ON
ALARM/
ZONE02



Disarming the System

- 1 Upon entry, the keypad sounder will turn on as a reminder to disarm the panel. The red ARMED light will be on and the window will alternately display "DISARM" and "XXXSEC", where "XXX" represents the entry time remaining in 10-second steps. During the final 10 seconds, the sounder will pulse a warning signal.
- 2 Enter your User Code and press . The sounder will silence and the red ARMED light will go out, indicating that the system has been disarmed.
 - If you enter an invalid code, the keypad display "Wrong Code" Re-enter your code immediately.

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 .

TURNING OFF THE ALARM (DISARMING) WHEN RETURNING

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.

Day Zone (Day Zone(s) programmed? YES NO)

A Day Zone is used to monitor a secured exit door, window foil, etc. A problem on this type of burglary zone will cause a “DAY ZN” display followed by “ZONEXX” (xx represents the zone number) and a pulsing keypad sounder while disarmed. To silence the sounder, press  (or arm and disarm, if so programmed). Correct the problem to reset the Day Zone.

24-Hour Zone (24-Hour Zone(s) programmed? YES NO)

This zone is always armed, even if the system is disarmed. If there is no audible output (bell, siren, etc.) programmed for this zone, it will behave as a regular Burglary Zone, however an alarm will be reported to the central station and recorded in the Alarm Event Log. If an audible output *is* programmed, a 24-Hour Zone will behave as an armed Burglary Zone. If the system is subsequently armed with a 24-Hour Zone in trouble, the keypad sounder will come on momentarily to indicate that there is a problem.

FIRE PROTECTION

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

reset FIRE ALARM

AC ON

**FIRE/
ZONEXX**

Fire-Zone Alarm

If a fire is detected, “reset FIRE ALARM” will be displayed and the keypad sounder will pulse.

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 **OFF** 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.

TROUBLE

AC ON

**TRBL
41-XX**

Fire-Zone Trouble

1. If a problem in the fire-circuit is detected, “FIRE TB” (fire trouble) will display and the sounder will pulse to signal a malfunction.
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.

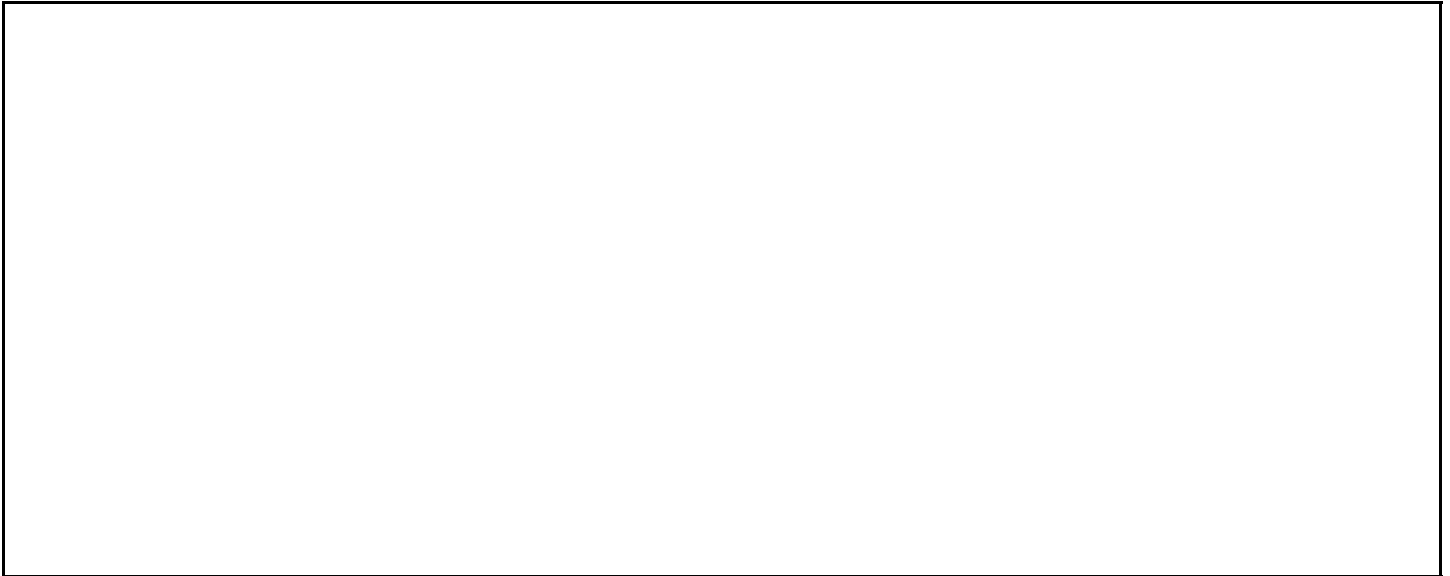
Would You Like More Safety Information?

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. While the messages are shown here in their entirety, actual displays will scroll automatically in two screens. Wait for the entire message to display. To recall an alternate screen, hold down the blue  Button. To skip a function, answer **NO** (press ); to select and execute a function, answer YES (press  or ). The complete function list is provided here in its normal displayed sequence. However, since not all functions are designed for all systems (or intended for all users), *only functions that are applicable and active are displayed*. (For example, if no zones are bypassed, "Disp Bypass" (Display Zones Bypassed) will not appear). In addition, functions that are intended for use by the installer or servicer will not be displayed. (**Note:** Functions may be manually scrolled forward or backward using  and , respectively).



AC ON	DspZn/Status/ Yes/No
-------	-------------------------

Display Zone Status? Identifies zones that are not secured. Zones identified will auto-scroll through the display window, Press NEXT() and PRIOR () to scroll bypassed zones.

BYPASSED AC ON	Dsp/Bypass/ Yes/No
-------------------	-----------------------

Display Zones Bypassed? Displays manually bypassed zones. Zones identified will auto-scroll through the display window. Press NEXT() and PRIOR () to scroll bypassed zones.

AC ON	DspZn/Dir/ Yes/No
-------	----------------------


Display Zone Directory? Displays each zone by number and description. Zones identified will auto-scroll through the display window. Press NEXT() and PRIOR () to scroll bypassed zones.

AC ON	Bell/Test/ Yes/No
-------	----------------------

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

FUNCTION MENU

AC ON	DspTel/List/ Yes/No
-------	------------------------

Display Telephone List? (For GEM-P9600/3200 panels only) (OPTIONAL—Phone Numbers Programmed? YES NO) The panel can dial any of four programmed telephone numbers. Select Telephone #1-4 using the NEXT and PRIOR buttons. Press , then pick up the phone to automatically dial the displayed number.

AC ON	DspSys/Trbl/ Yes/No
-------	------------------------

Display System Troubles? (For GEM-P9600/3200 panels only) Displays a 2-digit error code (EXX-NN) representing the problem (XX) detected in the system, followed by 2 digits (NN) identifying the problem zone, keypad, module, etc. (See SYSTEM TROUBLE ERROR CODES for a description of these codes). Use NEXT and PRIOR buttons to scroll system troubles.

reset FIRE ALARM AC ON	DspFir/Alarm/ Yes/No
---------------------------	-------------------------

Display Fire Alarms? (For GEM-P9600/3200 panels only) Displays alarms that have occurred on the Fire Zone(s). Press the NEXT and PRIOR buttons to scroll zones.

TROUBLE AC ON	DspFir/Trbl/ Yes/No
------------------	------------------------







Display Fire Troubles? (For GEM-P9600/3200 panels only) Displays trouble conditions that have been detected on the Fire Zone(s). Use NEXT and PRIOR to scroll fire troubles.

AC ON	TurnOn/O view Yes/No
-------	-------------------------

Activate Overview? (For GEM-P9600/3200 panels only) (OPTIONAL) (Overview programmed for user? YES NO)

In a partitioned system, this mode displays the status of Areas 1 and 2 simultaneously. (The "READY1" display will be replaced by the "OV(-)" display shown at left). For each area: "R" = Area Ready; "z" = Zone Fault; "A" = Area Armed; "B" Burglary Zone in Alarm; "F" Fire Zone in Alarm; "T" = Fire Trouble; "c" = Check Trouble; Area in Function-Display Mode.

AC ON	OV(RZ)
-------	--------

In this mode, all areas (except the area that you are in) may be armed by pressing , , then entering a valid User Code. (The User Code must be valid in all areas). Similarly, all areas may be *disarmed* by pressing , , then entering a valid User Code. To revert to normal keypad operation, enter a valid code, press  repeatedly until "TmOff O View" appears, then press the YES () button.

FUNCTION MENU

AC ON

TurnOn/Chime
Yes/No

Activate Chime? "MONITOR ON" will be displayed and the Chime Mode will sound a tone at the keypad when the programmed zone is opened while disarmed. To deactivate the Chime Mode, execute the "TurnOff Chime" function. **Note:** The Chime Mode is disabled while armed.

AC ON

TurnOn/Watch
Yes/No

Activate Watch Mode? (*Watch Mode programmed?* YES NO). This optional feature simultaneously turns on all zones designated as Day Zones. When activated, "MONITOR ON" will display at the keypad. 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.

TROUBLE

AC ON

Reset/SysTbl/
Yes/No

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: E11; E13; E19; E20 and E22. (See *SYSTEM TROUBLE ERROR CODES* for a description of error codes).

AC ON

Start/ExitTm/
Yes/No

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 the "START EXIT TIME" 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.

AC ON

TurnOn/TelTst/
Yes/No

Activate Telephone Test? (OPTIONAL) (*Telephone Test programmed?* YES NO). Sends a communicator test to the central station. A communication failure will be indicated at the keypad by an "E03-00 COMMFL" display. Repeat the test to attempt to correct a communication failure, as any successful communication will clear this display.

FUNCTION MENU

AC ON

Delay/Arm 1-4/
/No

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, 15 minutes, as follows:

For a 1-hour, 15-minute delay, press , then .

For a 2-hour, 15-minute delay, press , then .

For a 3-hour, 15-minute delay, press , then .

For a 4-hour, 15-minute delay, press , then .

Fifteen minutes prior to arming, the siren will sound a 2 second warning and the keypad will begin a 15 minute countdown with the sounder pulsing. During this time, arming may be delayed an additional 1 to 4 hours (as above), or autoarming may be cancelled by arming and disarming the panel.

AC ON

TurnOn/Prog/
Yes/No

Activate Program? (*Program Mode programmed for user?*) YES NO). Activates the Program Mode from Keypad No. 1 only. **Note:** This feature is disabled while armed.

AC ON

TurnOn/DwnLd
Yes/No

Activate Download? Activates the Manual Download Mode from Keypad number 1 (For installer or servicer's use only). **Note:** This feature is disabled while armed.

FUNCTION MENU

AC ON	RF Xmt/Status/ Yes/No
-------	--------------------------

Display RF Transmitter Status? (OPTIONAL) *(For systems that include wireless transmitters).* Press YES to check the status and condition of all transmitters. First the number of wireless points (WL PNT) will display. Use NEXT and PRIOR Buttons to scroll forward or back. For each transmitter, the following information will be shown:

AC ON	123456/ Z01S10
-------	-------------------

- Transmitter ID Code number (6 numbers and/or letters).
- Zone ("z") to which transmitter is mapped and signal strength "s" (01—10, 10 being the strongest) of its last transmission.

AC ON	123456/ Z01BAT
-------	-------------------

A display of "Z01BAT" (*battery*) indicates that the transmitter on Zone 1 has a battery that is weak and requires replacement.

AC ON	123456/ Z01TAM
-------	-------------------

A display of "Z01TAM" (tamper condition) indicates that the case of the transmitter on Zone 1 is open.

AC ON	123456/ Z01SUP
-------	-------------------

A display of "Z01SUP" (*supervisory* failure) indicates that a test signal from the transmitter on Zone 1 has not been received.

Note: Hold down to recall the first line.

AC ON	Relay/Ctrl/ Yes/No
-------	-----------------------

Relay Control? (OPTIONAL) Turns on (or off) one or more programmed Relay Groups. Press to turn the displayed group on or off; press NEXT to proceed to the next group, or

AC ON	RG-OFF/ (DESCRIPTION)
-------	--------------------------

PRIOR to scroll back to the previous group. Press when done. (Hold down to view the "description" line. (This function available for the GEM-P9600/3200 panels only).

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

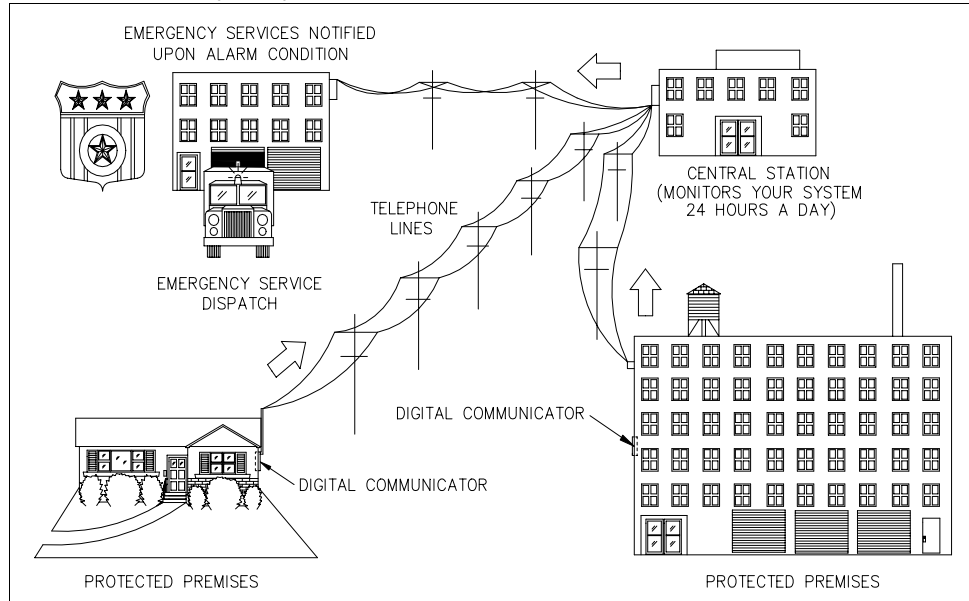
Abort Delay. Ask your installer which of your zones have Abort Delay, a delay that enables you to reset the system before it communicates to the central station. Your system has a SIA CP-01 required Abort Delay of 30 seconds. It may be removed or increased up to 45 seconds (at your option) by consulting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

AC ON FAULT/
ZONE02

AC ON BYPASS

AC ON WAIT

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]**. "BYPASS" will display.
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. (This feature available for the GEM-P9600/3200 panels only).

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. The Start Exit Time function may then be used to manually start the exit delay, however reporting capability may be sacrificed. (If your system does not report 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 door has been opened and then closed, exit delay will change to 60 seconds. Thus, a long exit delay may be programmed, which will immediately be reduced to 60 seconds upon exiting. If re-entry occurs during that 60 seconds, exit delay will restart once again (and *only* once again) at 60 seconds. If so programmed, re-entry within 60 seconds after exit delay has expired will cause the alarm to sound a 2-second warning (in addition to the entry sounder) to remind the user to disarm.

NOTES

PROGRAMMING (OPTIONAL)

Introduction

The Program Mode (optional) is used to customize User Codes. Access to the Program Mode requires a special User Code, therefore not all users may have the ability to program.

Notes:

1. 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).
2. Operation of the keypad buttons in the Program Mode is different from that for normal operation. Refer to the accompanying diagram for keypad functions in the Program Mode.
3. If the selected function requires more than one screen, scroll the display using **[MENU]**.
4. While in the Program Mode, the

ARMED and STATUS lights remain off and burglar and fire alarm functions are disabled.

5. If the keypad detects no activity in the Program Mode for more than 4 minutes, a tone will sound; to silence the tone, press the blue **[*]** button.
6. The programmed code or description will not be permanently stored until you press **[ENTER]**.
7. To exit the Program Mode, press **[RESET]**.

Programming User Codes

Do not attempt to program a code containing any blank spaces between digits. In selecting your codes, 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 in-

stallations). **Note:** Duplicate Codes are not allowed; therefore a duplicate Code entered in the LCD Window will erase when **[BYPASS]** is pressed.

The User Program Mode is accessed from the Function Mode as follows:

1. Enter your code, then press **[MENU]** to enter Function Mode.
2. Answer NO (press **[AWAY]**) until "TurnOn Prog Yes/No" is displayed, then press the YES button (**[STAY]**). "User01" will display.



Note: If you pass "TurnOn Prog", press **[BYPASS]** to scroll back.


3. Using the number buttons, enter a User Number as a two-digit number (enter 1-9 as "01" - "09").
4. Press **[MENU]**. The cursor will advance to the User Code screen and read the existing code, if any.


(continued)




PROGRAMMING (OPTIONAL)


- Enter the new User Code using the number buttons. If an old code is displayed, simply program over it.

Important: To erase the unused digit(s) of the previous code, press  .




Note: Pressing  again will display non-programmable "OPTion" and "ACCess" screens. Do not attempt to program these screens as the entries will not be saved.

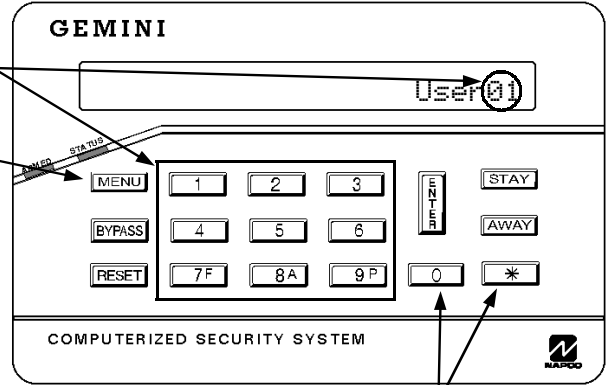
- Press  to save the code in memory. Repeat steps 3-6 for each user.



Note: To void a code, blank out each digit by pressing  , then press the Save () button.

Note: Duplicate Codes are not allowed; therefore a duplicate Code entered in the LCD Window will erase when  is pressed.

To Program User Codes

- Using Number buttons, enter User Number
- Press 
- Using number buttons, enter User Code of up to 6 digits.
- Press  to save.
- Press  to Exit Program Mode.



Note: Press   to clear character at cursor.

Programming User Codes

PROGRAMMING (OPTIONAL)

Programming Example:

Program the User 3 Code to "3784":

1. Select the Program Mode as follows:
 - (a) Enter your User Code, followed by **MENU**.
 - (b) Answer NO (press **AWAY**) repeatedly until "TurnOn Prog Yes/No" is displayed, then press YES (**STAY**).
The display will briefly read: "UPXXXX" then "User01" (User 1's Code).
2. Press **0** **3** for User No. 3.
3. Press **MENU** to advance to the User Code screen.
4. Press **3** **7F** **8A** **4** to program the code.
If any other digits are left over from a previous User-3 Code, delete each by pressing ***** **0**.

Note: Do not attempt to program the "OPTion" or "ACCess" screens (if they display) as they will not be saved.

5. Press **ENTER** to save the code.
6. Press **RESET** to exit the Program Mode.


Notes:

- **Note:** Duplicate Codes are not allowed; therefore a dupli-

cate Code entered in the LCD Window will erase when **ENTER** is pressed.

- 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).
- While in Program Mode, the ARMED and STATUS lights remain off and burglar and fire alarm functions are disabled.
- In selecting your codes, 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 tone will sound. Press **RESET** to silence.

KEYPAD MESSAGES

The keypad can display the following functional messages. Many are two-line messages; hold down  to display the second line. (In this booklet, both are shown simultaneously for convenience). Other diagnostic messages are available for the installer or servicer. Should any unfamiliar messages appear, call your dealer for service.

AC ON
READY

All zones operating; system can be armed. If displayed, a number following the "READY" display denotes the area number. A "MONITOR ON" display indicates that Chime or Watch Mode is on. **Note:** If Watch Mode is programmed, "MONITOR ON" will not display for Chime Mode.

AC ON
WAIT

Panel reporting to central station on arming. If necessary, wait for ringback signal before exiting.

AC ON
EXITXX

Exit delay in progress. XX denotes exit time remaining. If displayed, BYPASSED indicates arming with zones bypassed; INSTANT ON indicates arming with Instant protection.

AC ON
**DISARM
XXXSEC**

Entry delay in progress. XXX shows entry time remaining.

AC ON
ARMED1

Panel armed. If displayed, a number following the ARMED display denotes the area number.

AC ON
FAULT

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

KEYPAD MESSAGES

AC ON **CAN'T/
ARMZNF**

Arming attempted with zone in trouble. Faulted zones will scroll. Correct trouble to arm.

AC ON **CAN'T/
ARMSIL**

Arming attempted while the alarm is sounding. A valid user code will silence the sound and clear this message.

AC ON **CAN'T/
ARMSND**

Attempted to arm with Easy Arm and the alarm is sounding. The alarm will not silence without a valid user code.

AC ON **CAN'T/
ARRRST**

Arming attempted with a system trouble present. To arm, press **RESET** and the system troubles will disappear.

AC ON **DAY ZN**

(With pulsing sounder). Trouble condition on a Day Zone (zone numbers will scroll). Press **RESET** to silence sounder. Note: Watch Mode must be active.

AC ON **ALARM**

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

TRUBLE
AC ON **CANCEL**

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.

KEYPAD MESSAGES

TROUBLE **TRBL**
AC ON **E41-XX**

(With pulsing sounder). Trouble condition on a FireZone. Press **RESET** to silence sounder. Correct trouble or call for service.

reset FIRE ALARM **FIRE**
AC ON

(With pulsing sounder). Alarm condition on a Fire Zone (zone number(s) will scroll). Press **RESET** to silence sounder. Evacuate premises or correct cause of alarm.

BYPASSED **ZONEXX**
AC ON

(When Zones Bypassed ("Dsp Bypass") displayed) indicates zone(s) that have been deactivated, where XX represents the zone number(s).

AC ON **WRONG/
AREA**

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

AC ON **WRONG/
TIME**

(For Commercial Systems Only). Code not valid for programmed time window.

AC ON **WRONG/
CODE**

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

**CAN'T/ARM/
TROUBLE/AREA #**

(OPTIONAL) (In Manager's Mode). Arming prevented due to unsecured zone.

"#" represents number of area with unsecured zone. Press area number, then ***** and **ENTER** to switch to that area with faulted zones(s) displayed. The faulted zone can now be secured or bypassed, and Area Arming is now possible.

KEYPAD MESSAGES

TROUBLE **SYSTBL**
AC ON

Indicates problem(s) detected on the system (see below).

TROUBLE **E01-00/
AC FAIL**
AC ON

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

TROUBLE **E02-00/
LOBATT**
AC ON

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

TROUBLE **E03-00/
COMMFL**
AC ON

Communication failure to central station.

TROUBLE **E06-01**
AC ON

(Wireless systems only). Receiver response failure, Receiver No. 1. The following additional wireless messages may also appear:

“E04-01” - Supervisory trouble on Zone 1 (transmitter has not “checked in”).

“E05-01” - Transmitter on Zone 1 has a low battery;

“E15-01” - Transmitter on Zone 1 has its case open (tamper condition);

AC ON **OV(RR)**

(OPTIONAL) *(Commercial Systems Only)*. Overview Mode. Simultaneously shows status of Areas 1 and 2. “R” Area Ready; “Z” Zone Fault; ‘A’ = Area Armed; “B” = Burglary Zone in Alarm; “F” = Fire Zone in Alarm; “T” = Fire Trouble; “c” = Check Trouble; Area in Function-Display Mode.

AC ON **EntNow**

(Commercial Systems Only). Remote-access keypad unlocked for 5 seconds to allow entry.

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 - Either (1) a 2-digit prefix code entered just prior to the User Code or (2) a unique 3-6-digit code used in place of the User Code when forced to disarm. Sends a silent alarm to the central station with no indication at the keypad.

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 - (*Optional*) A listing of the programmed zone descriptions stored in memory.

Easy Arming - Quick arming by pressing  (optional).

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

GLOSSARY

Instant Protection - Arming without entry delay by pressing and holding the **[STAY]** 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.

Opening Window - (*Optional*). A time interval within which opening (disarming) is permitted without reporting to the central station.

Overview Mode - In a partitioned system, a high-security mode of operation allowing area arming wherein the status of Areas 1 and 2 is simultaneously displayed at the keypad.

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.).

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

Watch Mode - Turns on all Day Zones simultaneously.

Window - A time interval. See **Opening Window**; **Closing Window**.

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, activated by turning on the Watch Mode, 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 by pressing and holding 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, one or more of the following error codes may display in the window. Several of these messages are intended for use by your installer or servicer. If any message appears that is unfamiliar to you, call your security professional for service.

E01-00	AC Power Failure.	E12-NN	Expansion Zone Module Response Failure; NN = Module Number.	E20-00	Dealer Program Memory Error.
E02-00	System Low Battery.	E13-NN	Expansion Zone Module Tamper Condition; NN = Module Number.	E21-00	System Shutdown.
E03-00	Communication Failure.	E14-NN	Relay Board Response Failure; NN = Relay Board Number.	E22-NN	Sensor Activity Failure; NN = Zone Number.
E04-NN	RF Transmitter Supervisory Failure; NN = Transmitter Number.	E15-NN	RF Transmitter Tamper Condition; NN = Transmitter Number.	E23-00	Burglary Bus Failure.
E05-NN	RF Transmitter Tow Battery Condition; NN = Transmitter Number.	E16-NN	Receiver Jammed; NN = Receiver Number.	E24-00	Service Message.
E06-NN	Receiver Response Failure; NN = Receiver Number.	E17-NN	Receiver Tamper Condition; NN = Receiver Number.	E27-00	Printer Failure
E07-00	Download Failure.	E18-NN	Key Fob Transmitter Low Battery; NN = Key Fob Transmitter Number.	E39-00	Receiver Capacity Error.
E08-00	Telephone Line Failure	E19-00	User Program Memory Error.	E40-00	RF Self-Test Failure
E09-00	System Cold Start.			E41-NN	Fire Trouble. NN = Zone Number
E10-NN	Keypad Response Failure; NN= Keypad Number.			E51-00	Bell Supervisory
E11-NN	Keypad Tamper Condition; NN = Keypad Number.			E58-00	Telemetry Trouble
				E59-00	Telemetry Failure
				E66-00	"Clean Me" Smoke Detector Dirty
				E99-00	Keypad Panic Shorted too Long

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.