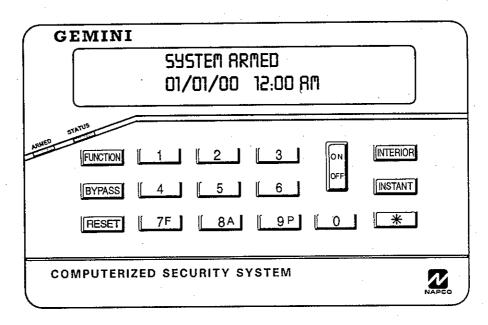
OPERATING GUIDE for your GEM-RP1CAe2 KEYPAD



DESIGN PATS. PENDING

INTRODUCTION

The GEM-RP1CAe2 is a "smart" user-friendly, menu-driven keypad designed for your Napco control panel. The keypad is interactive. 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-RP1CAe2 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 and backup battery

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

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

Test your central station communicator

- 1. Notify your Central Station of the impending test.
- 2. While disarmed, enter your User Code and press RUNCTION
- 3. Answer NO (press NSTANT) until "ACTIVATE DIALER TEST" appears in the window.
- 4. Press YES (MTERIOR) 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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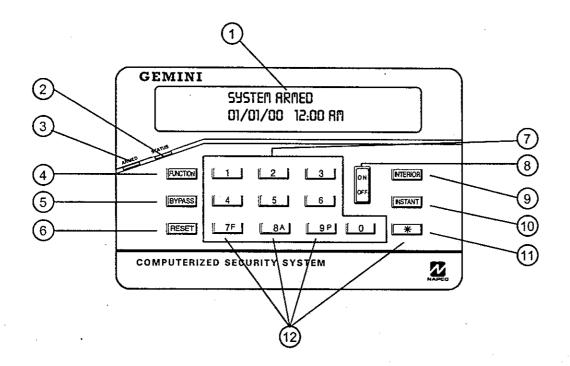
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TO SILENCE AN ALARM, ENTER YOUR CODE, AND PRESS .

FOR SERVICE, CALL:		
CENTRAL STATION:		
EXIT DELAY:		
ENTRY DELAY:	,	
FIRE ALARM SOUND*:		
BURGLAR ALARM SOUND*:		
KEYPAD FIRE ENABLED?	□YES □N	0
KEYPAD PANIC ENABLED?	□YES □N	0
KEYPAD AUX. ENABLED?	□YES □N	0
4 - A		

KEYPAD CONTROLS & INDICATORS



KEYPAD CONTROLS & INDICATORS

- Window. Displays system status 5 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 7 armed.
- ARMED Light. Lights (red) to 8 indicate that the system is armed. If an alarm has occurred, the ARMED LED will be flashing.
- FUNCTION Button. Selects available system functions as displayed in the window. The selected function is executed by pressing the to button.

- selected zones from the system.

 (2) Unbypasses a bypassed zone.
- **RESET Button.** (1) Resets various system troubles, displays, etc. (See text.) (2) Resets residential smoke detectors.
- Numerical Keys (1-9, 0). Used to enter codes, zone numbers, etc.
- ON/OFF Button. Entry key.
 Causes the entered code or 2
 selected function to be executed.
- interior Zones simultaneously to allow free movement within the premises. (2) Scrolls the window display forward (NEXT). (3) Answers "YES" to questions in the window display.

- INSTANT Button. (1) Cancels entry delay on Exit/Entry Zones, causing an instant alarm upon violation. (2) Scrolls window display backward (PRIOR). (3) Answers "NO" to questions in the window display.
- AREA Button (*). Selects other areas and is used with emergency buttons.
 - the button to signal an emergency, as follows:
- Press the 7F and the *
 buttons for Fire Emergency.
- Press the 8A and the *
 buttons for Auxiliary Emergency.
- Press the 99 and the * buttons for Police Emergency.

SETTING THE ALARM (ARMING) WHEN LEAVING

SYSTEM READY

EXIT TIME 060 PLEASE LEAVE NOW

ZONES NOT NORMAL CAN'T ARM SYSTEM

ZONES FAULTED

02 BACK DOOR

BYPASSED

ASS 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 . 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". Re-enter your code immediately.
- 3 Leave the premises. Leave through the exit door before exit time expires.

Priority Arming

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

Selectively Bypassing Zones

If you cannot locate or repair the problem yourself, call for assistance. If you cannot get immediate help, bypass the problem zone(s) from the system 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.

	SEITING THE ALARM (ARMING) WHEN LEAVING							
SYS TBL	SYSTEM 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 "PRESS RESET KEY, CAN'T ARM SYSTEM".						
SYS TOL	LOW BATTERY E02-00 SERVICE	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)						
SYS TBL	PRESS RESET KEY CAN'T ARM SYSTEM	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)						
	EXIT TIME 060 PLEASE LEAVE NOW	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 . The keypad will now provide status and control of that area.						
		3 Enter your User Code followed by to arm or disarm the area. 4 Press ** followed by to return to the home area.						
		Global Arming (Optional) To arm all areas simultaneously, press 9P, ** and enter your code followed by 2.						
	CAN'T ARM SYSTEM AREA X IN TROUBLE	 To disarm all areas simultaneously, press						

PROTECTING YOURSELF WHILE ON THE PREMISES

BYPASS SYSTEM READY	Bypassing Interior Zones Interior Zones, when bypassed, allow free movement within the home while the protect of armed perimeter zones is maintained. To bypass Interior Zones, press NERIOR and elegant your User Code followed by 2.
	s for two groups of Interior Zones. (Optional) (Interior Groups programmed? □YES □NC [to Bypass Interior Group 1: []
	ved by 🖫 to Bypass interior Group 2: []
	followed by 🖺 to Bypass both Interior Groups 1 & 2.
Your system may have been prog system and remained in the hous • If you arm the system an "BYPASSED" indicating	SS (Optional - Automatic Interior Bypass programmed? TYES NO) grammed for Automatic Interior Bypass, which allows it to recognize that you have armed e, prompting it to automatically adjust the interior protection accordingly. d remain in the house, all Interior Zones are automatically bypassed. The keypad will displat it is safe to move about. Individual you leave, the Interior Zones will unbypass, providing complete interior protection.
OVOTEN ADMED	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 INSTANT just prior to arming, or at any time after the system is armed. When armed with Instant Protection opening the entry door will cause an immediate alarm.

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

P	R	0	T	F	\mathbf{C}	TΙ	N	G	Υ	0	П	R	9	F	1	F	W	/H	111	μE	C	N (T	٦,	1 F	P	R	F	М	15	SF	: 5
Г	т	·		L '	·		14	v		v	U	E	. •	_	_	•	- 41	f 1 1		- L	•	/ i T		- 4			- 13	· Ŀ	171		J L	. •

PROTECTIN	G TOURSELF WHILE ON THE PREMISES
armed. By activating Easy Exit whi are permitted to leave through the gives you each time it is armed. The o disarm and rearm the system, a	grammed for Easy Exit, which allows a user to exit the premises while the system is le the system is armed, the Exit Delay countdown will take place, during which time you exit door. The Easy Exit Delay time will be identical to the Exit Delay time the system his will allow, for example, an early morning commuter to exit the house, without having waking the family.
Press INTERIOR to activate	e Easy Exit on your system. (GEM-P3200/GEM-P9600 V11D or less, GEM-P1632 V8G or less)
Press to activate Ea	sy Exit on your system. (GEM-P3200/GEM-P9600 V20 or greater, GEM-P816/P1632 V9A or greater)
1 2 3 ON WIEROR 4 5 6 OF WISTANT 7F 8A 9P 0 *	Emergency Buttons (Only available if programmed) The Blue Emergency Buttons (
RIZED SECURITY S	• Fire Emergency Simultaneously press 7 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? [9VES [9NO]]

TURNING OFF THE ALARM (DISARMING) WHEN RETURNING

ENTRY TIME XXX DISARM SYSTEM

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 2. 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.

INVALID ENTRY TRY AGAIN

**** ALARM ****

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.

02 - BACK ALARM

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 RESET.

03 - LIVING ROOM

Ambush (Optional - Ambush programmed? □YES □NO) (Your Ambush Code is ____)

The Ambush Code (optional) is a 2-digit code that is entered just prior to your Disarm Code. If an intruder forces you to disarm your system, (a) enter your Ambush Code; (b) enter your Disarm Code; (c) press .

Example: If your User Code is 1234 and your Ambush Code is 99, press 99 99 1 2 2 3 4 9.

This 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 merely disarmed. There will be no indication that an alarm has been sent.

FIRE PROTECTION

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

FIRE ALARM

Fire-Zone Alarm

If a fire is detected, "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 to turn off the alarm.
- 4 Check smoke detector(s). If a smoke detector tripped, its red alarm indicator light will be on.
- 5 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 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.
- 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.

- 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.

	FIR	E PROTECTI	ON				
Floorplan Draw a plan of your prem	Floorplan Draw a plan of your premises in the space provided below.						
	·						
		•		•			

FIRE PROTECTION

LIMITATIONS OF FIRE ALARM WARNING SYSTEMS

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.

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 FUNCTION
 - In all UL-listed or high-security installations, a valid User Code must first be entered followed by [FUNCTION].
- 2 To skip a function, answer NO (NSTANT) or FUNCTION.
- 3 To select and execute a function, answer YES (INTERIOR) or [*].
 - Functions may be manually scrolled forward or backward using FUNCTION 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. Press the NEXT and PRIOR Buttons (as displayed on-screen) to scroll faulted zones.

DISPLAY ZN BYPASSED Y/N Display Zones Bypassed? Displays bypassed zones. Press NEXT(INTERIOR) and PRIOR (INSTANT) to scroll bypassed zones.

DISPLAY ZN DIRECTORY Y/N Display Zone Directory? Displays a listing of all zones in the Area. Press NEXT([NTERIOR]) and PRIOR ([NSTANT]) to scroll zone directory.

ACTIVATE	
BELL TEST	Y/N

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

 If the battery is low, a "LOW BATTERY E02-00 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.

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

DISPLAY FIRE ALARM Y/N

Display Fire Alarms? Displays alarms that have occurred on the Fire Zone(s). Press the NEXT and PRIOR Buttons to scroll zones.

DISPLAY FIRE TRBL Y/N **Display Fire Troubles?** Displays trouble conditions that have been detected on the Fire Zone(s). Use NEXT((INTERIOR)) and PRIOR ((INSTANT)) to scroll zones.

ACTIVATE CHIME Y/N 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 (INTERIOR). Note: The Chime Mode is disabled while armed.

ACTIVATE Y/N

Activate Watch Mode? (Optional - Watch Mode programmed? DYES DNO) 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.

RESET SYS TRBL Y

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 Ref. If you cannot correct the problem, sell for sensing

SENSOR MSG" and press [2]. If you cannot correct the problem, call for service

START EXIT TIME Y/N Start Exit Time? (Optional) (Start Exit Time programmed? DYES DNO)

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.

ACTIVATE DIALER TEST Y/N

Activate Telephone Test? (Telephone Test programmed? \(\text{QYES QNO}\)). 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:

- At the end of this 1 4 hour Delay Arming period, the siren will sound a 2-second warning and the keypad will begin a 15-minute arming countdown with the sounder pulsing. The sounder may be silenced at this time by pressing [RESET], but it will turn back on with a steady warning tone 1 minute prior to arming, at which time the building must be exited.

The same steps can be used to delay a scheduled Auto Arming, if your system has been programmed as such.

	KEYPAD FUNCTIONS
ACTIVATE PROGRAM	Activate Program? Activates the Program Mode from Keypad No. 1. Note: To feature is disabled while armed . (See PROGRAMMING USER CODES)
ACTIVATE DOWNLOAD	. Activate Download? For installer's use only. If accidentally enabled, press RES Y/N to exit. Note: This feature is disabled while armed.
RELAY CONTROL	Relay Control? (Relay Control programmed? TYES TNO). Turns ON or OFF one or more programmed Relay Groups. Press to turn to displayed group on or off; press NEXT((NTEROR)) to proceed to the next group,
	PRIOR ([NSTANT]) to scroll back to the previous group. Press [RESET] when done. Relay Group 01: [] Relay Group 02: [] Relay Group 03: [] Relay Group 04: [] Relay Group 05: [] Relay Group 06: []

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

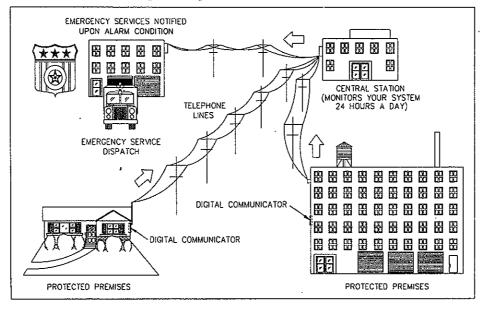
Abort Delay. Ask your installer which of your zones have abort delay, a delay that enables you to reset the system before it communicates to the central station.

Regular Burglary (Non-24-Hour) Zone reports are aborted by disarming within the delay period.

24-Hour Zones and zones programmed to report restores must be restored first, then the panel armed and disarmed, all within the delay period.

Opening and/or Closing Reporting. Your system can notify the central station every time it is disarmed or armed. Any or all of up to 96 different users can each be identified. If your system reports on arming (Closing Report), the central station will acknowledge arming.

This will signal at the keypad as a "ringback" beep. **Note:** If the ringback signal is not heard, call for service.



ADVANCED FEATURES

Security Bypass/Unbypass (Security Bypass programmed? □YES □NO).

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

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

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

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

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

If your system reports to a central station, your panel may have been programmed to start exit delay after the central-station ringback (verification) signal. Then, after arming, your system will communicate to the central station. After the central station acknowledges receipt (ringback), exit delay will start. If ringback is not heard within about 30 seconds, a communication problem may exist; call for service. Function 11 (Start Exit Time) may then be used to manually start the exit delay, however reporting capability may be sacrificed. (If your system 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? TYES 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.

User Program Mode

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

ACTIVATE PROGRAM Y/N

ENTER USER CODE U01 123 - -

ENTER USER CODE U04 - -

ENTER USER CODE UO4 4567 - -

Enter the User Program Mode

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

Programming / Reprogramming a User Code

- 1 Enter the 2 digits of the user number to be programmed, followed by FUNCTION (EXAMPLE: for User 4, enter 04 (MUCROW).
- 2 Enter the new User Code (up to 6 digits)
- 3 Press to save the new User Code.

 Repeat Steps 1 through 3 for each User Code to be programmed.

Erasing a User Code

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

Reviewing a Programmed User Code

To review an existing User Code, enter the 2-digit user number and the corresponding User Code will display.

Exiting the User Program Mode

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

Programming Example

Program the User 3 Code to "3784":

- 1 Enter your User Code, followed by RACTON
 - 2 Answer NO (press NSTANT) repeatedly until "ACTIVATE PROGRAM Y/N" is displayed, then press YES (NTERIOR).
 - The display will read "ENTER USER CODE"
 - 3 Press 0 1 3 for User No. 3, then press [ANCTION], [ANCTION], followed by 3 7. 8A 4.
 - 4 Press 🖺 to save the code.
 - 5 Press reser to exit the Program Mode.

Notes:

- 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.

Programming Zone Descriptions

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

ACTIVATE PROGRAM Y/N

Enter the User Program Mode

- 1 Enter your User Code, then press FUNCTION to enter the Function Mode.
- Answer NO (press NSTANT) until "ACTIVATE PROGRAM Y/N" is displayed, then press YES (NTERIOR). "ENTER USER CODE" will display, press NEXT (NTERIOR) and the keypad will display the Zone 1 Description.

01- FRONT DOOR

Entering a new zone description

- Use buttons 1 and 2 to position the cursor within the display.
- Use buttons 3 and 6 to scroll through numbers, letters, punctuation marks and a variety of symbols.
- Use the above buttons to enter each character of the description and then press
 to save when the zone description is complete.

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

- Move the cursor to the displayed zone number (i.e., "01") using 1 and 2.
- Change the zone number using 3 and 6, then move the cursor to the first character of the description and program a description for the new zone.
- Always press to save each zone description.

Programming the system Date and Time.

Y/N

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

ACTIVATE PROGRAM

O0/00/00

ENTER DATE 07/29/00

ENTER TIME (12:00A)

ENTER TIME (06:30P)

Enter the User Program Mode

- 1 Enter your User Code, then press [FINCTON] to enter the Function Mode.
- 2 Answer NO (press NSTANT) until "ACTIVATE PROGRAM Y/N" is displayed, then press YES (NTERIOR). "ENTER USER CODE" will display, press NEXT (NTERIOR) until the keypad displays the "Enter Date" screen.

Programming the Date

- 1 At the Enter Date screen, simply punch in the correct date using the numeric keypad buttons.
 - For example, for July 29, 2000, enter: 10 17 12 19 10 10
- 2 Press 2 to save the Date

Programming the Time

After entering in the Date, press NEXT (INTERIOR) for the Time Entry screen.

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

KEYPAD MESSAGES

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

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

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

EXIT TIME XXX SI PLEASE LEAVE NOW Exit delay in progress. XXX denotes exit time remaining, in seconds. If displayed, "S" indicates Service Code active; I indicates arming with Instant protection.

ENTRY TIME XXX DISARM SYSTEM

Entry delay in progress. XXX shows entry time remaining, in seconds.

SYSTEM ARMED I (DATE) (TIME) System armed. If displayed, "I" indicates arming with Instant protection.

ZONES FAULTED

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

ZONES NOT NORMAL CAN'T ARM SYSTEM Arming attempted with faulted zone. The display will scroll the zone faults. Secure the zone(s) and arm system.

DAY ZONE TRBL

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

	KEYPAD MESSAGES
****ALARM****	Alarm condition, followed by zone description(s). "ALARM" and zones will display after system is disarmed. Note zones, then press RESET to clear keypad.
FIRE TRBL	(With pulsing sounder.) Trouble condition on a Fire Zone. Press RESET to silence sounder. Correct trouble or call for service.
FIRE ALARM	(With pulsing sounder.) Alarm condition on a Fire Zone. Press RESET to silence sounder. Evacuate premises or correct cause of alarm.
CODE DENIED INCORRECT AREA	(For partitioned systems only.) Code not valid for area.
INVALID ENTRY TRY AGAIN	Wrong code entered or "Easy Bypass" function not enabled.
CAN'T ARM SYSTEM AREA # IN TROUBLE	l ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '

KEYPAD MESSA	K	FYF	ΔD	ME	SS	ΔG	FS
--------------	---	-----	----	----	----	----	----

ATTEMPTING TO CANCEL

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

ALARM CANCELED

The system has received an acknowledgment from central station of the cancellation of the alarm signal.

SYSTEM TRBL

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

AC POWER FAIL E01-00 SERVICE Check power transformer. Check for blown fuse or circuit breaker; general power outage.

LOW BATTERY E02-00 SERVICE Battery weak. If not recharged within 24 hours, replace battery.

COMM FAIL E03-00 SERVICE Communication failure to central station.

GLOSSARY

Following are brief descriptions of terms and features used herein that may be unfamiliar to you. 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 2-digit code entered just prior to 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 - 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

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

Instant Protection - Arming without entry delay using the [INSTANT] 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

button. (Two groups of Interior Zones may be programmed for each area.)

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 PYPASS button.

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

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
E01-00	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.
E02-00	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.
E03-00	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: 1 While disarmed, enter your User Code followed by FUNCTION. 2 Answer NO (INSTANT) until "ACTIVATE DIALER TEST" appears in the window. 3 Press YES (INTERIOR) to send a test signal to the central station. If the trouble continues, call installing company for service.

Trouble Indication	System Trouble Condition	Action
E04-NN	Wireless Transmitter Supervisory Failure	A problem has been detected with a wireless transmitter. Call installing company for service
E05-NN	Wireless Transmitter Low Battery	The battery in a wireless transmitter is low and should be replaced. This transmitter is on the zone corresponding to the number NN. 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. 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.
E06-NN	Receiver Response Failure	Call installing company for service.
E07-00	Download Failure	Call installing company for service.
E08-00	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.
E09-00	System Cold Start	

Trouble Indication	System Trouble Condition	Action
E10-NN	Keypad Response Failure	Call installing company for service.
E11-NN	Keypad Tamper	A keypad has been removed from the wall. Call installing company for service if problem cannot be repaired.
E12-NN	Expansion Zone Module Response Failure	Call installing company for service.
E13-NN	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.
E16-NN	Wireless Receiver Jam	A problem has been detected with the wireless receiver. Call installing company for service.
E17-NN	Receiver Tamper Condition	Call installing company for service.
E18-NN	KeyFob Transmitter Low Battery	The batteries in the wireless KeyFob transmitter indicated are low and should be replaced. The replacement battery is the Duracell 386 Lithium battery.
		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.

Trouble Indication	System Trouble Condition	Action
E19-00	User Program Memory	Call installing company for service.
E20-00	Dealer Program Memory	Call installing company for service.
E21-00	System Shutdown	Call installing company for service.
E22-NN	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 FESET 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.
E23-00	Burglary Bus Failure	Call installing company for service.
E24-00	Service Message	The system is in need of a preventive maintenance service call. Call installing company for service.
E39-00	Receiver Capacity Error	Call installing company for service.
E40-00	RF Self Test Failure	A wireless motion sensor on the zone indicated has failed its automatic self test routine. Call installing company for service.

Trouble Indication	System Trouble Condition	Action
E41-NN	Fire Trouble	A problem has been detected on the Fire zone indicated. Call installing company for service.
E51-00	Bell/Siren Trouble	There is a problem with the Bell or Siren. 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 & 28

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

See Page 11

NOTES

NOTES

NAPCO LIMITED WARRANTY

NAPCO SECURITY SYSTEMS, INC. (NAPCO) warrants its products to be free from manufacturing defects for it, any other warranty or liability concerning its products. 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 nurchaser 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

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 atarm may only reduce risk of burgtary, robbery, fire or otherwise but it is not insurance or a quarantee 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; recrient 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 Identity and Resolve Radio-TV Interference Problems". This booklet is