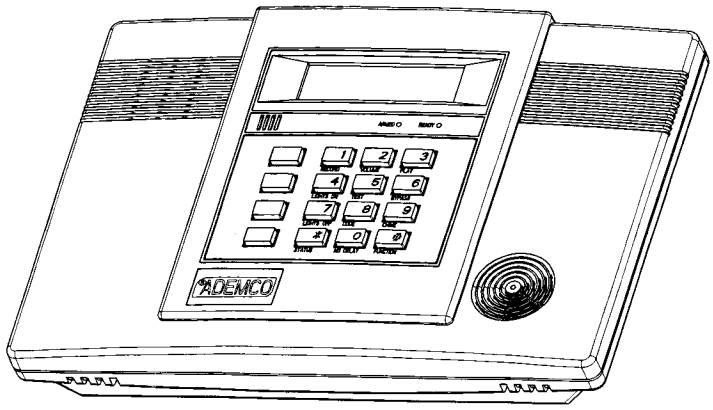
LYNX
LYNX-R

Security System

User Guide



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®ADEMCO

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Congratulations on your ownership of an ADEMCO Security System. You have made a wise decision in choosing it, for it represents the latest in security protection technology today. ADEMCO is the world's largest manufacturer of security systems, and millions of premises are protected by ADEMCO products.

SYSTEM OVERVIEW

Features

General Information

This system offers you three forms of protection: burglary, fire, and emergency, depending on the configuration of your system. The system consists of a master keypad for controlling system operation, various wireless sensors which provide perimeter and interior burglary protection, and optional smoke or combustion detectors to provide early fire warning. In addition, optional wireless keypads may have been installed to allow you to control the system away from the master keypad.

The system uses microcomputer technology to monitor all protection zones and system status, display appropriate information on the keypad display, and initiate appropriate alarms. Your system may also have been programmed to automatically send alarm or status messages over the phone lines to a central alarm monitoring station.

The user features of this security system are listed below. Ask your installer which features have been programmed for your system.

- **STAY and AWAY arming modes:** You can protect either the perimeter only, or the entire premises.
- **3 panic key functions:** Designated keys allow you to manually activate fire, personal emergency, or silent alarms. Refer to the *PANIC KEYS* section for detailed information.
- **Paging feature:** Alerts you to certain system conditions by displaying code numbers that indicate the type of condition that has occurred. In addition, pressing the AUX key can send a predefined message to your pager, if programmed to do so (see AUX key function below). Refer to the *PAGING FEATURE* section for detailed information.
- **Real-time clock:** Keypad displays current time. Refer to the CLOCK/CALENDAR section for procedures for setting the time.
- **Voice announcement of system status:** The master keypad's built-in speaker announces system status at the press of a key. Refer to the *CHECKING SYSTEM STATUS* section for details.
- **Message center:** The system allows recording and play back of brief messages. Refer to the *RECORDING/PLAYBACK MESSAGES* section for procedures.
- **Device activation:** Designated keys allow you to turn lights and/or other devices on and off. In addition, some devices (e.g., a light) may be programmed to activate automatically as a result of a system event such as an alarm or trouble condition. Refer to the USING DEVICE COMMANDS section for detailed information.
- **AUX key function:** Designated key lets you activate a predefined series of keystrokes with a single press of the [AUX] key plus user code, if programmed to do so (see Paging feature above). Refer to the AUX FUNCTION section for detailed information.
- **Scheduling feature:** Allows you to schedule the automatic activation or deactivation of X-10 devices or program events (e.g. alarm clock, reminder, and latch key).

SYSTEM OVERVIEW

General Operation

Zones

Your system's sensing devices have been assigned to various "zones." For example, the sensing device on your entry/exit door may have been assigned to zone 01, sensing devices on windows in the master bedroom to zone 02, and so on. These numbers appear on the display when an alarm or trouble condition occurs.

UL **LYNX-R is not intended for UL985 Household Fire applications.**

Fire Protection

The fire protection portion of your security system (if used) is always active and will sound an alarm if a fire condition is detected. Refer to the *FIRE ALARM SYSTEM* section for important information concerning fire protection, smoke detectors and planning emergency exit routes from the premises.

Burglary Protection

Your system provides two modes of burglary protection: STAY and AWAY. STAY mode protects the perimeter only, allowing you to freely move within inside the premises. AWAY mode protects the entire system. Both modes provide an entry delay time that allows you to reenter the premises without setting off an alarm. For additional security, you can turn the entry delay off when arming the system by using the **NO DELAY** key in combination with the desired arming key. The system also allows you to bypass selected zones before arming the system, if desired. Refer to the *BYPASSING PROTECTION ZONES* section. The system also provides a CHIME mode, for alerting users to the opening of protected doors and windows while the system is disarmed.

You must turn on ("arm") the burglary protection portion of your system before it will sense burglary alarms. To arm the system, enter your security code then press the desired arming key (AWAY or STAY). Refer to the *ARMING THE SYSTEM* section for detailed procedures and information.

Security Codes

At the time of installation, you were assigned a personal 4-digit security code. You must enter the security code when arming and disarming the system, and when performing other system functions. As an additional security feature, other users who do not need to know your code can be assigned up to 6 different security codes. Refer to the *SECURITY CODES* section for procedures on adding security codes to the system.

Alarms

When an alarm occurs, the keypad and external sounders will sound for about 45-seconds, and the keypad will display the zone(s) causing the alarm. After 45-seconds, the siren stop temporarily and voice announcements of the zones in alarm begin. When these zones have been announced, the siren sounds again and the cycle repeats itself, until the system is disarmed (code + OFF). If your system is connected to a central monitoring station, an alarm message will be sent.

To stop the alarm sounding, simply disarm the system. The zone(s) causing the alarm remain displayed indicating memory of alarm. Refer to the *DISARMING THE SYSTEM* section for information about clearing the memory of alarm display.

QUICK VIEW OF SYSTEM FUNCTIONS

NOTE: ☐ ☐ ☐ ☐ = Boxes represent the entering of your 4-digit security code.

SECURITY FUNCTIONS

Checking system status: ---------- [STATUS]

To arm in STAY mode: ---------- ☐ ☐ ☐ ☐ *+ [STAY]

To restart exit delay: ---------- [STAY] (only if programmed and system armed in Stay mode)

To arm in AWAY mode: ---------- ☐ ☐ ☐ ☐ * + [AWAY]

To arm with NO DELAY: ---------- ☐ ☐ ☐ ☐ * + [AWAY] or [STAY] + [NO DELAY]

To arm if Quick Arm is active: ---------- [AWAY] or [STAY] (hold down for at least 2 seconds)

To disarm the system and silence alarms: -- ☐ ☐ ☐ ☐ + [OFF]

To bypass a zone(s): ---------- ☐ ☐ ☐ ☐ + [BYPASS] + 2-digit zone number(s)

To turn Chime mode on or off: ---------- [FUNCTION] + [CHIME]

* Security code is not required if Quick Arm is active. Instead, press and hold down the [STAY] or [AWAY] key.

MESSAGE CENTER

To record a message: ---------- [FUNCTION] + [RECORD]

To stop recording before end of 20 seconds: [OFF]

To play back a message: ---------- [FUNCTION] + [PLAY]

VOLUME ADJUSTMENT

To adjust message playback/announcement volume: -------- [FUNCTION] + [VOLUME] + [3] or [6]

To mute system announcements: ---------- [FUNCTION] + [VOLUME] + [OFF]

To restore announcement sounding: -------- [FUNCTION] + [VOLUME] + [3] or [6]

OTHER FUNCTIONS---------- ** Only the master code can be used to add or delete another user code.

To set the time and date: ---------- ☐ ☐ ☐ ☐ + [FUNCTION] + [63]

To set scheduling: ---------- ☐ ☐ ☐ ☐ + [FUNCTION] + [64]

To activate or deactivate devices 1-6: ------ [FUNCTION] + [LIGHTS ON] or [LIGHTS OFF] + device number

To activate or deactivate devices 7 & 8: ---- ☐ ☐ ☐ ☐ +[FUNCTION] + [LIGHTS ON] or [LIGHTS OFF] + dev. no.

To add a user code: ---------- ☐ ☐ ☐ ☐ ** + [CODE] + user no. (02-08)+ user code

To delete a user code (except Master Code): ☐ ☐ ☐ ☐ ** + [CODE] + user number (02-08)

To turn Test mode on: ---------- ☐ ☐ ☐ ☐ + [TEST]

To turn Test mode off: ---------- ☐ ☐ ☐ ☐ + [OFF]

To use the defined AUX function: ---------- Press and hold [AUX] key 2 secs (4 beeps) + ☐ ☐ ☐ ☐

To send message to pager:---------- Press and hold [AUX] key 2 seconds (4 beeps)

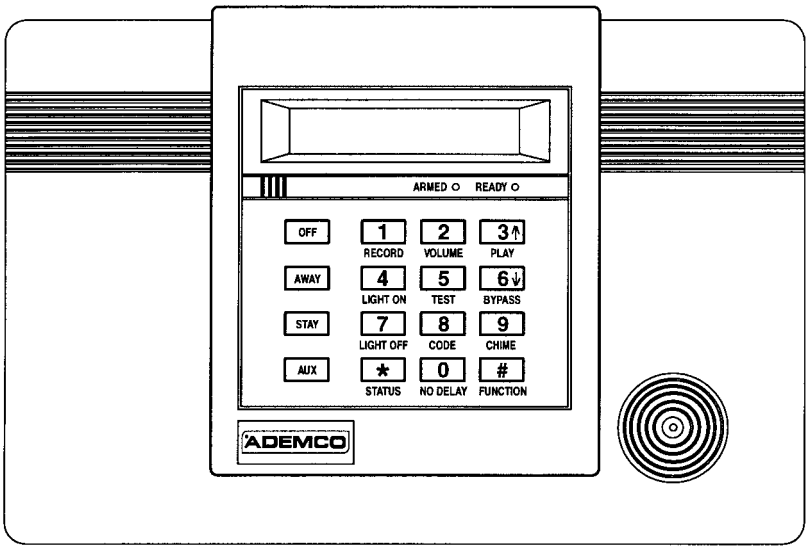
SYSTEM OVERVIEW

About the Master Keypad

General

IMPORTANT: If the keypad beeps rapidly upon entering the premises, an alarm has occurred during your absence and an intruder may still be on the premises. LEAVE IMMEDIATELY and CONTACT THE POLICE from a nearby safe location.

The keypad allows you to control all system functions. The keypad features telephone-style keys and a Liquid Crystal Display (LCD) which shows the nature and location of all occurrences.



The keypad also features a built-in sounder which will sound during alarms and troubles. The keypad also "beeps" during certain system functions, such as during entry/exit delay times, in Chime mode, and when depressing any of the keys (to acknowledge the key press). In addition, a built-in speaker announces system status.

SYSTEM OVERVIEW

About the Display and Indicators

Display Definitions (for other displays, see *Trouble Messages* on page 27)

ALARM: Appears when an intrusion has been detected and the system is armed (also appears during a fire alarm or audible emergency alarm). Accompanied by the protection zone in alarm.

AWAY: All burglary zones, interior and perimeter, are armed.

INSTANT: Entry delay is turned off.

STAY: Perimeter burglary zones, such as protected windows and doors, are armed.

UL **LYNX-R is not intended for UL985 Household Fire applications.**

FIRE: Appears when a fire alarm or fire fault is present. Accompanied by a display of the zone in alarm.

LOW BAT: Low battery condition in a wireless sensor (if zone number is displayed) or low system battery (if no zone number is displayed). If 00 is displayed, a wireless keypad (5827/5827BD) has a low battery condition.

AC: Appears when AC power is present. If not lit, the system is operating on backup battery power.

CHIME: Appears when the Chime feature is activated.

TEST: Appears when the system is in Test mode.

REC: Appears when in Recording mode.

MESSAGE: Appears when a message has been recorded and has not yet been played back.

BYPASS: One or more burglary protection zones have been bypassed.

FAULT: Appears when a malfunction is discovered in the system at any time; or if an open is detected in a fire zone at any time; or when a fault in a day/night burglary zone is discovered during a disarmed period. Accompanied by a display of the zone number in trouble.

LED Meanings

ARMED LED:	ON = System armed
(Red)	OFF = System disarmed
	Blinking = System armed, but a fault exists
READY LED:	ON = System disarmed, ready to arm
(Green)	Blinking = System disarmed, not ready to arm (a fault exists)
	NOTE: When the system is armed, the READY LED turns off.

SYSTEM OVERVIEW

Master Keypad Definitions

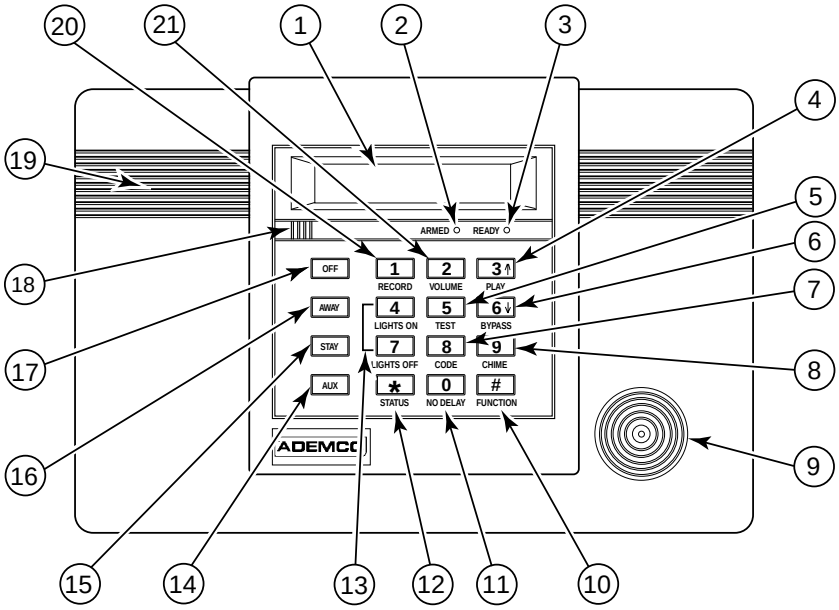
NOTE: The system functions described below are for reference only, and require additional key entries to activate.

1. **DISPLAY WINDOW:** Liquid Crystal Display (LCD). Displays protection point identification and system status, messages, and user instructions.
2. **ARMED INDICATOR:** (RED) Lit when the system has been armed (STAY, AWAY, NO DELAY). Blinks when armed and fault exists.
3. **READY INDICATOR:** When lit, indicates system is ready to be armed; blinking indicates system is not ready (a zone is open).
4. **PLAY** **KEY:** Announces a user's message if one was previously recorded. See RECORD function.
5. **TEST** **KEY:** Tests the system and alarm sounder.
6. **BYPASS** **KEY:** Removes individual protection zones from being monitored by the system. Displays currently bypassed zones.
7. **CODE** **KEY:** Allows entry of additional user codes that can be given to other system users.
8. **CHIME** **KEY:** Turns the Chime mode on and off. When on, any entry through a protected delay or perimeter zone while the system is disarmed will cause a tone and voice descriptor to sound at the keypad.
9. **INTERNAL SOUNDER:** Source of alarm sounds (see "Summary of Audible Notifications" section).
10. **FUNCTION** **KEY:** Allows alternate key functions.
11. **NO DELAY** **KEY:** Used with STAY or AWAY function to eliminate the entry delay. Alarm sounds immediately if entry is opened.
12. **STATUS** **KEY:** When pressed prior to arming, the keypad will display all open zones, and will announce system status.
13. **LIGHTS ON** / **LIGHTS OFF** **KEYS:** Turns lights or other devices on or off, if programmed by the installer.
14. **AUX** **KEY:** Can be programmed to either perform a predefined function or to send a preset message to a pager.
15. **STAY** **KEY:** Arms the perimeter burglary protection, guarding protected doors, windows and other perimeter protection points, and sounds an alarm if one is opened. Interior protection is not armed, which allows movement within your house without causing an alarm. Entrance can be made through an entry delay zone without causing an alarm if the system is disarmed before the entry delay time expires.
16. **AWAY** **KEY:** Completely arms both perimeter and interior burglary protection for backup protection by sensing an intruder's movements through protected interior areas as well as guarding protected doors, windows, etc. Entrance can be made through an entry delay zone without causing an alarm if the system is disarmed before the entry delay time expires.
17. **OFF** **KEY:** Disarms the burglary portion of the system, silences alarms and audible trouble indicators, and clears alarm trouble display after the problem has been corrected.
18. **MICROPHONE:** Used to record personal messages up to 20 seconds long.
19. **SPEAKER:** Source of audible internal warning and confirmation sounds, status announcments, as well as alarms (see "Summary of Audible Notifications").
20. **RECORD:** Activates the recording function to record personal messages.
21. **VOLUME:** Sets the volume of system announcements and status beeps.

— **KEYS 0-9:** Used to enter your individual security access code(s).

SYSTEM OVERVIEW

Master Keypad Definitions



IMPORTANT!: When you use the keypad to enter codes and commands, press the keys within 2 seconds of one another. If 2 seconds elapse without a key depression, the entry is aborted and must be repeated from its beginning.

NOTE: Different timeouts may occur when defining auxiliary functions and setting the real-time clock.

SECURING THE PREMISES

Checking System Status

General Information

Before arming your system, all protected doors, windows, and other protection zones must be closed or bypassed (see the *BYPASSING PROTECTION* section). Pressing the [STATUS] key will announce all zones that are faulted, as well as any other abnormal system condition, making it easier for you to secure any open zones.

READY LIGHT: The green READY indicator on the keypad will be lit if the system is ready to be armed. If blinking, the system is not ready.

Press the [STATUS] Key

Press the [STATUS] key once to announce the general status of the system. The following phrases may be heard depending on the current state of the system:

disarmed, ready to arm [message] [check system]
disarmed, [not ready to arm], [message]
armed [away] [stay] [instant] [check system] [message]

NOTE: Phrases in brackets are variable, and are announced only if appropriate in the current state of the system

Press the [STATUS] key twice† to announce specific system status. The following phrases may be heard depending on the current state of the system:

fire alarm [zone voice descriptors]
alarm [zone voice descriptors]
fire fault [zone voice descriptors]
fault [zone voice descriptors]
low battery [zone voice descriptor]
system low battery
check system
AC loss
zones bypassed
chime

† (second press must be within 5 seconds of first press)

VOLUME LEVEL: The volume level of system announcements can be increased or decreased. Refer to the *MESSAGE RECORDING/PLAYBACK* section for the procedure.

System Can Be Armed

The READY light will be lit once all protection zones have been closed or bypassed. You may now arm the system as usual.

SECURING THE PREMISES

Arming the System

Arming in Stay Mode

Use this mode when you are staying home, but expect someone to use the entrance door later. Close all protected perimeter windows and doors before arming. The green READY indicator on the keypad should be lit if the system is ready to be armed.

To arm in STAY mode: ☐ ☐ ☐ ☐ + [STAY] OR press and hold [STAY] **

Your security code**

** See Quick Arming paragraph.

The keypad beeps three times and displays the armed STAY message. The red ARMED indicator lights and the system announces "*armed STAY–exit now*."

When armed in STAY mode, the system will sound an alarm if a protected door or window is opened, but you may otherwise move freely throughout the premises. Late arrivals can enter through the entrance door without causing an alarm, but they must disarm the system within the entry delay period or an alarm will occur.

Restarting Exit Delay While System Armed
Ask your installer if this feature is active for your system. If active, you can restart the exit delay at any time after arming in STAY mode. This is useful if you wish to open the entry/exit door to let someone in after arming the system, and avoids having to disarm the system and then re-arm it again.

To restart exit delay while system is armed in STAY mode: Press [STAY] key

Arming In Away Mode

Use this mode when no one will be staying on the premises. Close all protected perimeter windows and doors before arming. The green READY indicator on the keypad should be lit if the system is ready to be armed.

To arm in AWAY mode: ☐ ☐ ☐ ☐ + [AWAY] OR press and hold [AWAY] **

Your security code**

** See Quick Arming paragraph.

The keypad beeps twice, or beeps continuously if exit warning has been programmed for your system, and displays the armed AWAY message. The red ARMED indicator lights and the system announces "*armed AWAY–exit now*."

When armed in AWAY mode, the system will sound an alarm if a protected door or window is opened, or if any movement is detected inside the premises. You may leave through the entrance door during the exit delay period without causing an alarm. You may also re-enter through the entrance door, **but you must disarm the system within the entry delay period or an alarm will occur.**

SECURING THE PREMISES

Arming the System

Arming the System With No Delay

Use NO DELAY with STAY mode when you are staying home and do not expect anyone to use the entrance door.

Use NO DELAY with AWAY mode when the premises will be vacant for extended periods of time such as vacations, etc.

When armed with NO DELAY, the system will sound an alarm if a protected door or window is opened, including the entrance door. You may leave through the entrance door during the exit delay period without causing an alarm, but an alarm will sound as soon as someone reenters.

To arm with NO DELAY: ☐ ☐ ☐ ☐ (Your security code**) + [AWAY] or [STAY] + [NO DELAY]

** See Quick Arming paragraph.

Quick Arming

If Quick Arm was programmed by the installer, you do not need to enter the security code to **arm** the system. Instead, simply press and hold down the desired arming key for at least 2 seconds. The security code must always be used to **disarm** the system, however.

To arm if Quick Arm is active: [AWAY] or [STAY] (hold down for at least 2 seconds)

To arm with NO DELAY if Quick Arm is active: [AWAY] or [STAY] then [NO DELAY] (hold down for at least 2 seconds)

IMPORTANT: The Babysitter Code and Installer Code cannot disarm the system unless it was used to arm the system. In addition, if the system is armed by pressing and holding the Quick-Arm buttons, neither the Babysitter Code nor Installer Code can disarm the system.

SECURING THE PREMISES

Entry/Exit Delays

Exit Delay

Exit delay begins immediately after arming the system, and gives you time to leave through the designated exit door without setting off an alarm. A slow beeping will sound throughout the exit delay period, if programmed.

Exit Alarms Exit Alarm Active ☐

To minimize false alarms sent to the alarm monitoring company, your system may have been programmed for this feature. Ask your installer if Exit Alarm is active for your system.

Whenever you arm the system, the exit delay begins. If an entry/exit door or interior zone is faulted when the exit delay ends (e.g., exit door left open), the system sounds an alarm and starts the entry delay timer. If you disarm the system before the entry delay ends, the alarm sound stops and the message "CA" is displayed on the keypad, along with a zone number indicating the faulted zone. No message is sent to the alarm monitoring company. To clear the exit alarm condition, the open zone must be made re-secured; to clear the display, enter your code plus OFF.

If you do not disarm the system before the entry delay ends, and an entry/exit door or interior zone is still open, the alarm sound continues and an "exit alarm" message is sent to the alarm monitoring company. The message "EA" is displayed on the keypad, along with a zone number indicating the faulted zone. To stop the alarm, the system must be disarmed (your code plus OFF); to clear the display, enter your code plus OFF a second time. An exit alarm also results if an entry/exit door or interior zone is faulted within two minutes after the end of the exit delay.

Entry Delay

Entry Delays give you time to disarm the system when you re-enter through the designated entrance door. You must disarm the system before the entry delay period ends, or an alarm will occur. The keypad beeps during the entry delay period, reminding you to disarm the system. There are two entry delays (if programmed). The first is for your primary entrance and the second can be used for a secondary entrance, where a longer delay is required to walk to the keypad to disarm the system.

You can also arm the system with no entry delay at all by using the **NO DELAY** key when arming. This can provide greater security while on the premises or while away for extended periods of time. See *ARMING THE SYSTEM* section for procedure.

See your installer for delay times programmed for your system.

Exit Delay: ☐☐ 00-99 seconds

Entry Delay 1: ☐☐ 00-99 seconds Entry Delay 2: ☐☐ 00-99 seconds

SECURING THE PREMISES

Disarming the System

Use the [OFF] key to disarm the system and to silence alarm and trouble sounds. See the *SUMMARY OF AUDIBLE NOTIFICATION* section for information, which will help you to distinguish between fire and burglary alarm sounds.

IMPORTANT: If you return and the main burglary sounder is on, DO NOT enter the premises, but call the police from a nearby safe location. If you return after an alarm has occurred and the main sounder has shut itself off, the keypad will beep rapidly upon entering. This indicates that an alarm has occurred during your absence and an intruder may still be on the premises. LEAVE IMMEDIATELY and CONTACT THE POLICE from a nearby safe location.

To disarm the system and silence burglary alarms: ☐ ☐ ☐ ☐ + [OFF]

Your security code

The READY light will light (if no alarms have occurred while armed) and the keypad will beep once to confirm that the system is disarmed.

Memory of Alarm

If an alarm occurs, the keypad displays the zone number (s) that caused the alarm and the type of alarm (e.g., "FIRE ALARM"). These messages remain displayed until cleared by a user.

To clear the display, note the zone number displayed and enter an OFF sequence (enter your security code and press the [OFF] key).

If the READY light is blinking, go to the displayed zone and correct the fault (close windows, etc.). If the fault cannot be corrected, notify your alarm company.

SECURING THE PREMISES

Bypassing Protection Zones

Bypassing Individual Zones

Use the [BYPASS] key when you want to arm your system with one or more zones intentionally unprotected. Bypassed zones are unprotected and will not cause an alarm when violated while your system is armed. **All bypasses are removed when an OFF sequence (security code plus OFF) is performed**. Bypasses are also removed if the arming procedure that follows the bypass command is not successful.

The system will not allow fire zones to be bypassed.

The system must be disarmed first.

To bypass a zone(s): [ ] [ ] [ ] [ ] + [BYPASS] + 2-digit zone number(s)

Your security code — for zone(s) to be bypassed (e.g., 01, 02, 03, etc.)

Important! All single-digit numbers must be preceded by a zero (for example, enter 01 for zone 1).

The keypad will provide a confirmation beep and display the word "BYPASS" along with each bypassed zone number. Wait for these zones to be displayed, to be sure that intended zones are bypassed.

Arm the system as usual when the keypad displays the READY LED on steady.

Quick Bypass

Your system may allow you to easily bypass all open (faulted) zones without having to enter zone numbers individually. Ask your installer if this feature is active.

To bypass a zone(s): [ ] [ ] [ ] [ ] + [BYPASS] + [FUNCTION]

Your security code

In a few moments, all open zones will be displayed along with the word "BYPASS." Wait for these zones to be displayed before arming. Arming the system before zones are displayed eliminates all bypasses.

Arm the system as usual when the keypad displays the READY LED on steady.

Displaying Bypassed Zones

The system allows you to determine what zones have been previously bypassed. Bypassed zones can be displayed only when the system is disarmed, and when the "BYPASS" message described above is displayed.

To display bypassed zone(s): [ ] [ ] [ ] [ ] + [BYPASS] + WAIT

Your security code

In a few moments, all open zones will be sequentially displayed along with the word "BYPASS."

SECURING THE PREMISES

Panic Keys / Chime Mode

Panic Keys

Your system may have been programmed to use special keys to manually activate panic functions. The functions that might be programmed are listed below. See your installer for the function(s) that may have been programmed for your system.

Your installer should note the functions that are active in your system.

Active Panic Functions

Keys	Zone	Function
1 and ✳	95	
3 and #	96	
✳ and #	99	

To use a paired key panic function, simply press both keys of the assigned pair at the same time. If your keypad has lettered keys for panic functions, press the designated key and hold down for at least 2 seconds to activate the panic function.

Types of Panic Alarms

A silent emergency sends an alarm signal to the alarm monitoring company,† but there will be no audible alarms or visual displays.

An audible emergency sends an emergency message to the alarm monitoring company† and sounds a loud, steady alarm at your keypad **and** at any external sounders that may be connected ("**ALARM**" plus a zone number are also displayed).

A personal emergency alarm sends an emergency message to the alarm monitoring company† and sounds at keypads, but not at external sounders. ("**ALARM**" plus a zone number are also displayed).

A fire alarm sends a fire alarm message to the alarm monitoring company† and uniquely activates keypad and any external sounders ("**FIRE ALARM**" plus a zone number are also displayed).

† If your system is connected to an alarm monitoring company

Chime Mode

Your system can be set to alert you to the opening of a door or window while it is disarmed by using CHIME mode. When activated, three beeps will sound at the keypad whenever a protected perimeter door is opened and the zone voice descriptor will be announced. Pressing the STATUS key will display the open protection points.

Note that the Chime mode can be turned on only when the system is disarmed.

To turn Chime mode on or off: FUNCTION + CHIME

The "CHIME" message displays while Chime mode is on, and disappears from the display when Chime mode is off.

USER FUNCTIONS

Paging Feature

Automatic Paging

If the Paging feature has been programmed for your system, your pager will respond to certain conditions as they occur in your system by displaying a message that indicates the type of condition that has occurred. The message appears in a 7-digit format explained below. The system can also be programmed to send up to 16 additional digits that will appear in front of the 7-digit message. These 16 digits may consist of a PIN number or special digits needed by the pager, account number, pauses, or any other special characters you may choose (for example, you may want to use a special character code to distinguish between security system messages and usual pager messages). See your installer if these additional characters are desired.

Code Format

The Pager Code takes the following form:

(AAAAAAAAAAAAAAAA) EEE-00NN

AAA… = Optional 16 digits, programmed by your installer.

EEE = 3-digit number describing the event that has occurred, as follows:

911 = Alarm (00NN following indicates the zone that caused the alarm)
101 = Open, system disarmed (00NN following indicates user number)
102 = Close, system armed (00NN following indicates user number)
811 = Trouble (00NN following indicates the zone that caused the trouble)

00NN = First two digits are always 00, followed by 2-digit user or zone number, depending on the type of event that occurred. If NN = 00, it can mean an AC loss has occurred, the system battery is low, or a 5827/5827BD wireless keypad battery is low. The Master Keypad will indicate the specific condition.

Examples:

Pager displays: 911–0004

This indicates your system is reporting an alarm (911) due to a fault on zone 4 (0004).

Pager displays: 101–0005

This indicates that your system is reporting an open/disarm (101) by user 5 (0005).

Manual Paging

In addition, your system may have been programmed to send a unique pager message when the AUX key is pressed (see *AUX FUNCTION* section for alternate function of this key). The actual message sent is 999-9999 (the hyphen may not appear, depending on your pager service). This code can be used to alert the person with the pager to whatever meaning you pre-arrange (e.g., “call home”). Ask your installer if this has been done for your system.

To manually send the pager message, if programmed: AUX (hold until 4 beeps sound)

Using Device Commands (Lights On/Lights Off Keys)

General Information

Your system may be set up so that certain lights or other devices can be turned on or off by using the device command from the keypad. Ask your installer if this has been done in your system. If programmed for your system, some devices may activate automatically upon certain system conditions. In this case, the following commands can be used to override the device activation. See your installer for a full explanation of this feature.

To activate devices 1-6: [FUNCTION] + [LIGHTS ON] + device no. (2 beeps)

To deactivate devices 1-6: [FUNCTION] + [LIGHTS OFF] + device no. (2 beeps)

To activate devices 7 & 8:** ☐ ☐ ☐ ☐ + [FUNCTION] + [LIGHTS ON] + device no.

Your security code (2 beeps)

To deactivate devices 7 & 8:** ☐ ☐ ☐ ☐ + [FUNCTION] + [LIGHTS OFF] + device no.

Your security code (2 beeps)

** Devices 7 and 8 may be assigned to system devices, such as alarm bells, which should not be activated using this command because they are activated automatically under certain system conditions. See your installer and the table below.

Device Descriptions

See your installer for device numbers assigned for your system.

Device	Description
1	
2	
3	
4	
5	
6	
7	
8	

USER FUNCTIONS

Message Recording/Playback/Volume Control

Recording a Message

Your system can record a brief message (up to 20 seconds) that can be played back later.

To record a message: [FUNCTION] + [RECORD]

The keypad beeps and displays "REC MESSAGE." Begin speaking into the microphone.

NOTE: The Record function can only be performed from the master keypad. It cannot be performed from any other wireless keypad (ex. 5827BD, 5827).

To stop recording before the end of 20 seconds: Press [OFF]

Otherwise, the recording automatically stops after 20 seconds. The keypad beeps twice, the REC display turns off, but the MESSAGE display remains on.

Message Playback

The lighted word MESSAGE indicates that a new message is in memory. After playing the message, the MESSAGE display turns off. See NOTE below if using a wireless keypad.

To play back a message: [FUNCTION] + [PLAY]

Adjusting the Volume

The volume level of message playback, system announcements, and status beeps can be changed. You can also mute system announcements if desired. See NOTE below if using a wireless keypad.

To adjust message playback/system announcemnt volume:

[FUNCTION] + [VOLUME] + [3] or [6] where: [3] = increases volume one level, [6] = decreases volume one level (The keys beep at the selected volume when pressed.)

Repeat the key sequence until the desired volume level is achieved.

To mute system announcements: [FUNCTION] + [VOLUME] + [OFF]

When muted, no system announcements will be made. Recorded messages will be announced, though, when [PLAY] is pressed.

To restore announcement sounding: [FUNCTION] + [VOLUME] + [3] or [6]

Volume level will be restored to the level that was selected prior to muting the sound.

NOTE: If a wireless keypad (5827/5827BD) has been installed and is programmed for quick arming, it cannot be used to activate message playback or adjust the volume. In this case, you must use the master keypad to perform these functions.

USER FUNCTIONS

AUX FUNCTION

General Information

The [AUX] key may have been programmed to either perform a predefined function or to send a preset message to a pager (see *PAGER FEATURE* section for pager operation). Ask your installer which function has been assigned for your system.

[AUX] Key: ☐ PRE-DEFINED FUNCTION ☐ PAGING FUNCTION

If programmed for the AUX function, you can use the [AUX] key to activate a string of up to 20 keystrokes that have been stored in the system's memory. Typical functions include:

- Seldom used but repeatable sequences
- Arming sequences that involve bypassing zones before arming
- Device activation sequences

Defining the AUX Function

The system must be disarmed before defining a function.

1. Enter Master Code + [FUNCTION] + [AUX] (hold down until 4 beeps sound).
2. Press the desired command sequence, up to 20 keystrokes. Press the [AUX] key between each command in the sequence.
3. Press the [AUX] key twice to end the definition.

For example, to bypass Zones 10 and 11 and arm AWAY with NO DELAY, enter the following string:

Master Code + [FUNCTION] + [AUX] hold until 4 beeps sound, then 6 10 11 AUX AWAY 0 AUX AUX

Note that the [AUX] key is included in the 20 keystroke maximum.

Performing the AUX function

Press and hold down the [AUX] key at least 2 seconds until 4 beeps sound, then enter your security code.

The defined function will begin.

USER FUNCTIONS

Clock/Calendar

Your system can display the current time (see your installer). The date is not displayed, but has an internal function. **The system must be disarmed with no faults present.**

To set the time and date: [ ] [ ] [ ] [ ] + [FUNCTION] + [63]

Master Code or Installer Code

NOTES:

1. The keypad beeps twice for invalid data entries (e.g., an hour greater than 12), and the entry will not be accepted. The keypad beeps once for valid entries.
2. Clock-Setting mode automatically ends if no keys are pressed for one minute.
3. Daylight savings time may have been programmed to automatically begin and end.

Hour [12:A] (The current hour will be displayed with the AM/PM indication.)

Enter the 2-digit hour (i.e., 01-12).
Press [*] to accept the entry and continue to the AM/PM selection.
Press [#] to exit Clock-Setting mode (keypad beeps 4 times).

AM/PM [12:P] (The current AM/PM setting will display A or P.)

Enter 1 for PM or 0 for AM.
Press [*] to accept the entry and continue to the minute selection.
Press [#] to return to hour-setting prompt.

Minute [:25] (The current minute will display.)

Enter the 2-digit minute (i.e., 00-59).
Press [*] to accept the entry and continue to the month selection.
Press [#] to return to AM/PM setting.

Month [1] (The current month will display.)

Enter the 2-digit month designation (i.e., 01-12).
Press [*] to accept the entry and continue to the day selection.
Press [#] to return to the minute setting.

Day [01] (The current day of the month will display.)

Enter the 2-digit day of the month (i.e., 01-31).
Press [*] to accept the entry and continue to the year setting.
Press [#] to return to the month setting.

Year [98] (The current year will display.)

Enter the last two digits of the year (i.e., 00-99).
Press [*] to accept the entry and exit Clock-Setting mode (keypad beeps 4 times).
Press [#] to return to the day setting.

USER FUNCTIONS

Scheduling User Interface

Upon getting into the scheduling user interface by entering master or installer code + FUNCTION + "64", the following entries will be sequentially prompted to the user. Note that all inputs are checked for validity upon entry and all invalid entries are rejected. Hitting a "*" will allow the entries to be accepted and advance to the next field. Hitting a "#" will reject the entry and back up one field. Hitting the "#" in the "Schedule Number" screen will exit the schedule programming.

NOTE: During the schedule programming, if three minutes passes and no key was entered, the programming will be terminated and no values will be saved. Furthermore, if a zone is troubled while in schedule programming, the system will abort the programming mode and show the troubled zone, and any uncompleted program event will not be saved.

Because the keypad display does not show prompt titles, you must refer to these instructions while programming the system. The prompts are indicated by a number/letter combination.
The prompts for option #64 are as follows:

[ ][ ] [ ][**n**]	Schedule number----------for selecting a schedule number (1-8)
[ ][ ] [**i**][**d**]	Event identifier----------for selecting a schedule action (0-5)
[ ][ ] **:** [**A**][**b**]	Begin time (hrs, am/pm)----for selecting a schedule begin time (hour, am/pm) entry (00-12)
[ ][**b**] **:** [ ][ ]	Begin time (min)----------for selecting a schedule begin time (minute) entry (00-59)
[ ][ ] [**b**][**d**]	Begin day---------- for selecting a schedule begin day (01-17)
[ ][ ] **:** [**A**][**E**]	End time (hrs, am/pm)------ for selecting a schedule end time (hour, am/pm) entry (00-12)
[ ][**E**] **:** [ ][ ]	End time (min)---------- for selecting a schedule end time (minute) entry (00-59)
[ ][ ] [**E**][**d**]	End day----------for selecting a schedule end day (01-17)
[ ][ ] [**d**][**n**]	Device number---------- for selecting a X-10 device number (1-8)

USER FUNCTIONS

Scheduling User Interface

NOTE: The keypad beeps twice for invalid data entries (e.g.: an hour greater than 12), and the entry will not be accepted. The keypad beeps once for valid entries and four times when a schedule event is programmed successfully.
[x] = the value that was last stored in the memory.

x n	**Schedule number** [x] = schedule number 1 to 8 [*] = continue [#] = exit schedule programming mode	Enter the 1-digit schedule number to be programmed, then press [*] to accept and advance to the next programming field: Event Identifier. • Press the [#] key in this entry will exit the schedule programming mode. The keypad will beep four times and exit. • Schedule number 7 and 8 are always random events that are meant to work only with X-10 devices. **Note:** This feature should be implemented when the user is trying to give the impression that a premises is "lived in". The events will occur at random times (0-59 minutes) within the defined hour.
x id	**Event Identifier** [x] = event identifier 0 to 5 [*] = continue [#] = return to previous prompt	0 = Empty - no event scheduled (or schedule temporarily disabled. Keypad will beep four times and return to Schedule Number with the schedule number advanced. 1 = X-10 Device - the user is required to enter data up to and include the Device Number screen. Selection #1 is a time driven event that requires a begin and end time. 2 = Latch Key Report - the user is required to enter data up to and include the End Day screen. Selection #2 is a window driven event that requires a begin/end time. 3 = Automatic Stay Arming - the user is required to enter data up to and include the Begin Day screen. Selection #3 is a time driven event that requires a begin time to send a report. 4 = Reminder Announcements - the user is required to enter data up to and include the Begin Day screen. This is a reminder announcement. 5 = Alarm Clock - the user is required to enter the field values up to and include the Begin Day screen. This is a an alarm clock. **Note:** See figure 1 for an explanation of each entry of the event identifier.
xx : Ab	**Begin Time (hour)** [xx] = begin hour 00 to 12 [*] = continue [#] = return to previous prompt **Begin Time (am/pm)** [0] = begin time, am (A) [1] = begin time, pm (P) [*] = continue [#] = return to previous prompt	• The begin hour is a two-digit entry. To enter the hour 3, press "0" followed by "3". • The begin hour "00" indicates this schedule does not have a begin time. • Press "0" to select AM or "1" to select PM. **Note:** When programming schedule number 7 and 8, do not program turn on/off to occur within the same 1-hour period. This will prevent this random feature from causing a reversal of the on/off times.

b : xx	**Begin Time (minute)** [xx] = begin minute 0 to 59 [*] = continue [#] = return to previous prompt	
xx : bd	**Begin Day** [xx] = begin day 01 to 17 [*] = continue [#] = return to previous prompt	• If the value programmed in the Event Identifier is "3", "4", or "5", and the current entry is completed, the system will save all field data up to this field. The system will beep four times and go back to the first field (Schedule Number) with the schedule number advanced. • If the value programmed in the Event Identifier is "1" or "2", and the current entry is completed, the system will advanced to the next programming field - End Time (hour). **Note:** See figure 2 for the definition of begin day entries.
xx : AE	**End Time (hour)** [xx] = begin hour 00 to 12 [*] = continue [#] = return to previous prompt **End Time (am/pm)** [0] = end time, am (A) [1] = end time, pm (P) [*] = continue [#] = return to previous prompt	• The end hour is a two-digit entry. To enter the hour 3, press "0" followed by "3". • The end hour "00" indicates this schedule does not have a end time. • Press "0" to select AM or "1" to select PM.
E : xx	**End Time (minute)** [xx] = end minute 0 to 59 [*] = continue [#] = return to previous prompt	
xx : Ed	**End Day** [xx] = end day 01 to 17 [*] = continue [#] = return to previous prompt	**Note:** See figure 2 for the definition of end day entries. • If the event identifier is set to "2" upon completion of this field, the current schedule data will be saved and the system will go back to the next schedule number.
x : dn	**Device Number** [xx] = device number 1 to 8 [*] = continue [#] = return to previous prompt	[*] will accept and save the entire schedule event. The system will beep four times and go back to the beginning of the programming field (Schedule Number) with the schedule number advanced. If the current schedule number is 8, the system will wrap around and set the schedule number to 1. **Note:** For X-10 devices.

USER FUNCTIONS

Scheduling User Interface

Event Identifier Entries

Entry	Event	Comment
0	Empty	No event scheduled (or schedule is temporarily disabled)
1	X-10 Device	Turn an X-10 device, either on or off at begin/end times. (will have a start and end time to program) *(time driven)* **Note:** SH10A siren cannot be used.
2	Latch Key Report	Send a special pager report (7110000) indicating system not yet disarmed. (will have a start/end time to send the report) *(window driven), (reports only to pager)* **Notes:** Option *49 must be programmed to be 6 or higher. Make sure unit is armed prior to start of window time.
3	Automatic Stay Arming	Will arm the system automatically, and bypass any open zones, at a given time. It will send a report to the pager and central station, indicating system has been auto armed stay, plus all bypass reports. (will have only a start time to send the report) *(time driven)* **Notes:** (1) Prior executing auto stay arming, force bypass will be executed - if option *23 was enabled. (2) If pager report is required, Option *49 must be programmed to be 6 or higher.
4	Reminder Announcements	Will beep three times and then announce custom words 72, 73 and 74. This will be repeated every minute until a key is depressed, or a button type zone does an arm or disarm. **Note:** Make sure installer programmed custom words 72-74 at the time of installation.
5	Alarm Clock	Will start a trouble tone on the speaker, which will continue until a key is depressed.

Figure 1.

Day of Week Entries

Entry	Day
00	Invalid day entry
01	Do event on next time match on the next Monday (will remove itself after executing)
02	Do event on next time match on the next Tuesday (will remove itself after executing)
03	Do event on next time match on the next Wednesday (will remove itself after executing)
04	Do event on next time match on the next Thursday (will remove itself after executing)
05	Do event on next time match on the next Friday (will remove itself after executing)
06	Do event on next time match on the next Saturday (will remove itself after executing)
07	Do event on next time match on the next Sunday (will remove itself after executing)
08	Do event on next time match every day (will run continuously, remains in schedule after executing)
09	Do event on next time match every weekday (will run continuously, remains in schedule after executing)
10	Do event on next time match every day of the weekend (will run continuously, remains in schedule after executing)
11	Do event on next time match on the next Monday (will run continuously, remains in schedule after executing)
12	Do event on next time match on the next Tuesday (will run continuously, remains in schedule after executing)
13	Do event on next time match on the next Wednesday (will run continuously, remains in schedule after executing)
14	Do event on next time match on the next Thursday (will run continuously, remains in schedule after executing)
15	Do event on next time match on the next Friday (will run continuously, remains in schedule after executing)
16	Do event on next time match on the next Saturday (will run continuously, remains in schedule after executing)
17	Do event on next time match on the next Sunday (will run continuously, remains in schedule after executing)

Figure 2.

FIRE ALARM SYSTEM
(If Installed)

UL **LYNX-R is not intended for UL985 Household Fire applications.**

General

Your fire alarm system (if installed) is active 24 hours a day, providing continuous protection. In the event of an emergency, the installed smoke and heat detectors will automatically activate your security system, triggering a loud, intermittent sound from the keypad. An intermittent sound will also be produced by optional exterior sounders, and interlaced with the voice descriptor, sounding every 45 seconds. A "FIRE" message will appear at your keypad and remain on until you silence and clear the alarm display.

In Case of Fire

1. Should you become aware of a fire emergency *before* your detectors sense the problem, go to your nearest keypad and press the single panic key (or panic key pair) assigned as FIRE emergency (if programmed by the installer) and hold down for at least 2 seconds. The alarm will sound.
2. Evacuate all occupants from the premises.
3. If flames and/or smoke are present, leave the premises and notify your local Fire Department immediately.
4. If no flames or smoke are apparent, investigate the cause of the alarm. The zone number of the zone(s) in an alarm condition will appear at the keypad.

Silencing a Fire Alarm

1. Silence the alarm by pressing the **CODE** + [OFF] key. To clear the alarm display, enter your code and press the [OFF] key again.
2. If the keypad indicates a trouble condition after the second OFF sequence, check that smoke detectors are not responding to smoke- or heat-producing objects in their vicinity. Should this be the case, eliminate the source of heat or smoke.
3. If this does not remedy the problem, there may still be smoke in the detector. Clear it by fanning the detector for about 30 seconds.
4. When the problem has been corrected, clear the display by entering your code and pressing the [OFF] key.

FIRE ALARM SYSTEM

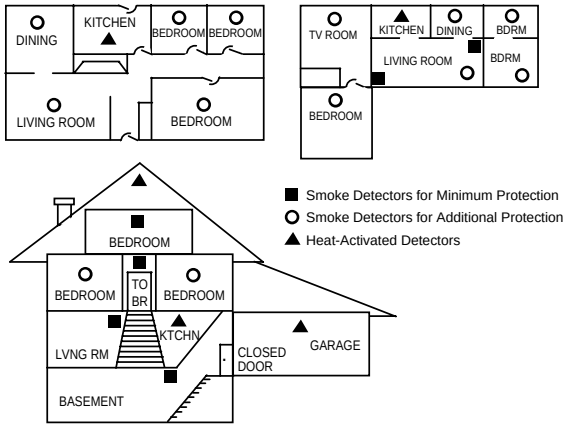
National Fire Protection Association's Smoke Detector Recommendations

UL **LYNX-R is not intended for UL985 Household Fire applications.**

With regard to the number and placement of smoke and heat detectors, we subscribe to the recommendations contained in the National Fire Protection Association's (NFPA) Standard #74 noted below.

Early warning fire detection is best achieved by the installation of fire detection equipment in all rooms and areas of the household. The equipment should be installed as follows: A smoke detector installed outside of each separate sleeping area, in the immediate vicinity of the bedrooms and on each additional story of the family living unit, including basements and excluding crawl spaces and unfinished attics.

In addition, the NFPA recommends that you install heat or smoke detectors in the living room, dining room, bedroom(s), kitchen, hallway(s), attic, furnace room, utility and storage rooms, basements and attached garages.



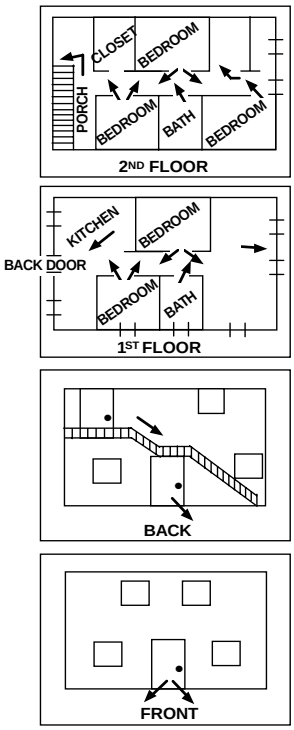
FIRE ALARM SYSTEM

Emergency Evacuation

UL **LYNX-R is not intended for UL985 Household Fire applications.**

Establish and regularly practice a plan of escape in the event of fire. The following steps are recommended by the National Fire Protection Association:

1. Position your detector or your interior and/or exterior sounders so that they can be heard by all occupants.
2. Determine two means of escape from each room. One path of escape should lead to the door that permits normal exit from the building. The other should be an alternative escape, such as a window, should your path to that door be unpassable. Station an escape ladder at such windows if there is a long drop to the ground.
3. Sketch a floor plan of the building. Show windows, doors, stairs and rooftops that can be used to escape. Indicate escape routes for each room. Keep these routes free from obstruction and post copies of the escape routes in every room.
4. Assure that all bedroom doors are shut while you are asleep. This will prevent deadly smoke from entering while you escape.
5. Try the door. If the door is hot, check your alternate escape route. If the door is cool, open it cautiously. Be prepared to slam the door if smoke or heat rushes in.
6. When smoke is present, crawl on the ground. Do not walk upright, since smoke rises and may overcome you. Clearer air is near the floor.
7. Escape quickly; don't panic.
8. Establish a place outdoors, away from your house, where everyone can meet and then take steps to contact the authorities and account for those missing. Choose someone to assure that nobody returns to the house — many die going back.



General Information

For additional security, users other than you who do not need to know your code can be assigned different security codes. These secondary users are identified by "user numbers" when their codes are assigned. You can assign up to 6 user codes (2-digit user numbers 03-08). Note that the master (primary) user of the system is the only one who can assign codes to secondary users, and is designated user no. 02; user no. 01 is the installer's code.

All codes can be used interchangeably when performing system functions (a system armed with one user's code can be disarmed by another user's code), with the exception of the Babysitter Code described below.

Babysitter Code (User 07): This code can be used to arm the system, but cannot disarm the system **unless** the system was armed with this code. This code is typically assigned to someone (such as a babysitter) who needs to arm/disarm the system only at certain times. The Babysitter Code is assigned to User 07.

Duress Code (User 08): This feature is intended for use when you are forced to disarm or arm the system under threat. When used, the system will act normally, but can silently notify the alarm monitoring company of your situation, if that service has been provided. Duress Code is assigned to User 08.

The Duress Code is useful only when the system is connected to an alarm monitoring company.

To Add/Delete a User or Change a User's Code

Changing the Master Code
Follow the procedure for changing a user's code, but enter User No. 02 and enter the new code twice.
IMPORTANT: Temporary users of the system (e.g., babysitters, cleaning staff) should not be shown how to use any system function they do not need to know, such as bypassing protection zones for example.

Sequential key depressions for all steps in a procedure must be made within 2 seconds of one another, or else the entire entry is aborted and must be repeated from its beginning.

Add a user code: ☐ ☐ ☐ ☐ (Master Code) + [CODE] Key + user number (03-08) + user's code

Delete a user code: ☐ ☐ ☐ ☐ (Master Code) + [CODE] Key + user number (03-08)

Wait (about 3 seconds) until the keypad beeps once before pressing any other key. The code is automatically deleted.

SYSTEM FUNCTIONS

Testing the System (to be conducted weekly)

Entering Test Mode

The [TEST] key puts your system into the Test mode, which allows each protection point to be checked for proper operation. The keypad sounds a single beep every 45 seconds as a reminder that the system is in the Test mode.

Note: An alarm message will not be sent to your alarm monitoring company during the following tests.

Disarm the system and close all protected windows, doors, etc. The "READY" message should be displayed and the green READY indicator (if present on the keypad) should also be lit.

Enter the security code then press TEST

WATCH. All LCD segments will light for 3 seconds.

LISTEN. The external sounder should sound for 2 seconds and then turn off.
If the sounder does not sound, notify your service company.

FAULT ZONES. Open each protected door and window in turn and listen for three beeps from the keypad. Identification of each faulted protection point should appear on the display. The display will clear when the door or window is closed.
Walk in front of any interior motion detectors (if used) and listen for three beeps. The identification of the detector should appear on the display when it is activated, and its voice descriptor will be announced (if programmed). The display will clear when no motion is detected. Note that if wireless motion detectors are used, there is a 3-minute delay between activations. This is to conserve battery life.
To test all smoke detectors, follow the manufacturer's instructions. The identification of each detector should appear on the display when each is activated.
If a problem is experienced with any protection point (no confirming sounds, no display), notify your service company.
When all protection points have been checked and are intact (closed), there should be no zone identification numbers displayed on the keypad.

Exit Test Mode

When testing is completed, exit the TEST mode by entering your security code and pressing the [OFF] key.

If the Test mode is inadvertently left active, it automatically turns off after 4 hours.

SYSTEM FUNCTIONS

Trouble Messages

Typical Trouble Condition Displays

To silence the beeping sound for fault conditions, press any key.

FAULT	Indicates that a problem exists with the zone(s) displayed, accompanied by rapid beeping. First, determine if the zone(s) displayed are intact and make them so if they are not. If the zone uses a wireless detector, check that changes in the room (moving furniture, televisions, etc.) are not blocking wireless signals from the detector. If the problem has been corrected, the zone descriptor(s) and **FAULT** should disappear from the display. If not, key an OFF sequence (security code plus OFF) to clear the display. A fault condition can also indicate a wiring problem. If the "FAULT" display persists, notify your service company. Note that the system will not allow arming if a fault condition exists. To arm the system with a fault condition present, you must first bypass the zone(s) having the fault condition.
FC	Indicates that a failure has occurred in the telephone communication portion of your system or a problem with the phone line existed when dialing was attempted.†
CC	Indicates that the control is on-line with the central station's remote computer. The control will not operate while on-line. Wait a few minutes. The display should disappear.
dI	If this remains displayed for more than 1 minute, the system is disabled.†
CA	Indicates a cancelled alarm. See *Entry/Exit Delay* section (page 13).
EA	Indicates an exit alarm. See *Entry/Exit Delay* section (page 13).
90	Indicates that the system has detected an RF jam condition or excessive interference. If the condition persists, notify your service company.
LOW BAT (**no zone no.**)	Accompanied by a once-per 45 seconds beeping at the keypad, indicates a low system battery condition exists. Refer to the procedure on the next page to replace the system battery.†
LOW BAT (**with zone no.**)	Accompanied by a once-per-45 seconds beeping at the keypad, indicates a low battery condition exists in the wireless transmitter displayed.†
LOW BAT (**with zone 00**)	Accompanied by a once-per-45 seconds beeping at the keypad, indicates a low battery condition exists in a wireless keypad.†

† Notify your service company.

Routine Care

- Treat the components of your security system as you would any other electrical equipment. Do not slam sensor-protected doors or windows.
- Keep dust from accumulating on the keypad and all protective sensors, particularly on motion sensors and smoke detectors.
- The keypad and sensors should be cleaned carefully with a dry soft cloth. **Do not spray water or any other fluid on the units.**

SYSTEM FUNCTIONS

Maintaining your system

The components of your security system are designed to be as maintenance-free as possible. To make sure that your system is in working condition, do the following:

1. Test your system weekly.
2. Test your system after any alarm occurs (see the *TESTING THE SYSTEM* section).

Low Battery Conditions in Wireless Sensors

Each wireless sensor in your system has a 9-volt or 3-volt battery. The system detects low battery conditions in wireless sensors, including smoke detectors, personal emergency transmitter, and the portable wireless keypad, and displays a “LOW BAT” message on the master keypad, which also beeps. (A low battery in a wireless keypad is detected as soon as one of its keys is pressed, and the master keypad will display “00.”). In addition, a wireless smoke detector with a low battery also emits a "chirp" sound approximately once every 20–30 seconds, identifying itself as the smoke detector with the weak battery.

NOTE: A low battery message means that battery replacement in the indicated sensor(s) is due within 30 days. In the meantime, a sensor with a low battery is still operational.

Silencing Low Battery Warning Tones at the Keypad: Press the **OFF** key**.**

The low battery message display will remain on as a reminder. When you replace the weak battery with a fresh one, the sensor will send a "good battery" signal to the control when the sensor is activated (opening/closing of door, window, etc.). To clear the “LOW BAT” enter your Master Code and press [OFF].

When replacing batteries, use only those recommended by your installer.

Alkaline batteries provide a minimum of 1 year of operation, and in most units and applications, provide 2–4 years of service. 3-volt lithium batteries may provide from 4-7 years of operation. Actual battery life will depend on the environment in which the sensor is used, the number of signals that the transmitter in the sensor has had to send, and the specific type of sensor. Factors such as humidity, high or low temperatures, and large swings in temperature may all lead to the reduction of actual battery life in an installation.

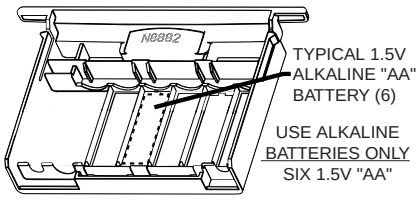
Changing the LYNX System Battery

NOTE: Batteries should be changed at least once per year.

In the event of an AC power loss, the LYNX is powered by non-rechargeable, alkaline batteries, located in the battery drawer in the back of the master keypad. The batteries should be replaced when a “LOW BAT” message with no zone number is displayed.

Slide out the battery drawer. Remove the old batteries and replace with a fresh batteries. Carefully slide the drawer back into the master keypad.

The “LOW BAT” display should clear automatically within 4 hours.



OBSERVE POLARITY!

Use either six 1.5V “AA” non-rechargeable alkaline batteries (use only Duracell Model MN1500 or Varta Model 4706) .

If the "LOW BAT" message does not clear, enter Master Code and press [5]. Wait 10 seconds, enter Master Code and press [OFF].
If the "LOW BAT" message still does not clear, recheck that batteries and drawer are properly installed. Enter Master Code and press [5]. Wait 10 seconds, enter Master Code and press [OFF].

Changing the LYNX-R System Battery

NOTE: Battery should be changed at least once every four years.

In the event of an AC power loss, the LYNX-R is powered by a rechargeable, nickel-metal hydride battery, located in a secure battery drawer at the back of the master keypad. The battery should be replaced when a "LOW BAT" message with no zone number is displayed.

The battery drawer part number LYNXRCHKIT must be replaced by a qualified service technician. Do not attempt to install alkaline batteries in LYNX-R.

After one minute, the "LOW BAT" message may be displayed. The rechargeable batteries may take up to 48 hours to charge, however, the "LOW BAT" message should clear within 4 hours or by entering Test Mode.

Summary Of Audible Notification

** UPPER CASE indicates announcements after pressing **STATUS** once, Lower case indicates announcements after pressing **STATUS** twice.

SOUND	CAUSE	DISPLAY	ANNOUNCEMENT**
INTERRUPTED Speaker and external piezo and bell	FIRE ALARM	**FIRE ALARM** is displayed; zone number in alarm displayed.	fire alarm + zone voice descriptor (Voice descriptor is interlaced with the siren and sounds every 45 seconds)
CONTINUOUS Speaker and external piezo and bell	BURGLARY/AUDIBLE EMERGENCY ALARM	**ALARM** is displayed; zone number in alarm displayed.	alarm + zone voice descriptor (Voice descriptor is interlaced with the siren and sounds every 45 seconds)
ONE SHORT BEEP (not repeated) Speaker and external piezo	a. SYSTEM DISARM b. SYSTEM ARMING ATTEMPT WITH AN OPEN ZONE. c. BYPASS VERIFY	a. Green LED on steady b. The number of the open protection zone is displayed after pressing **STATUS**. c. Numbers of the bypassed protection zones are displayed (One beep is heard for each zone displayed).	a. DISARMED–READY TO ARM b. DISARMED–NOT READY TO ARM c. zones bypassed
ONE SHORT BEEP (once every 45 secs) Speaker and external piezo	a. SYSTEM IS IN TEST MODE b. LOW BATTERY AT A TRANSMITTER c. SYSTEM LOW BATTERY d. FAIL TO COMMUNICATE	a. Opened zone identifications will appear. b. **LOW BAT** displayed with zone number of transmitter. c. **LOW BAT** displayed with no zone no. d. **FC** displayed with no zone no.	a. No announcement b. low battery + zone voice descriptor c. system low battery d. check system
TWO SHORT BEEPS Speaker and ext. piezo	ARM AWAY OR MAXIMUM	**AWAY or AWAY + INSTANT** is displayed. Red ARMED indicator is lit.	ARMED AWAY [INSTANT] – EXIT NOW
THREE SHORT BEEPS Speaker and external piezo	a. ARM STAY OR INSTANT b. ZONE OPENED WHILE SYSTEM IS IN CHIME MODE.	a. **STAY** or **STAY + INSTANT** is displayed. Red ARMED indicator is lit. b. **CHIME** displayed, number of open protection zone will be displayed if the Status key is pressed.	a. ARMED STAY [INSTANT] – EXIT NOW b. zone voice descriptor
RAPID BEEPING Speaker and external piezo	a. TROUBLE b. MEMORY OF ALARM	a. **FAULT** displayed. Number of troubled protection zone is displayed. b. **FIRE ALARM** or **ALARM** is displayed; zone number in alarm is displayed.	a. fault + zone voice descriptor b. fire alarm or alarm + zone voice descriptor
SLOW BEEPING Speaker and external piezo	a. ENTRY DELAY WARNING b. EXIT DELAY WARNING	a. Exceeding the delay time without disarming causes alarm. b. **AWAY** or **AWAY + INSTANT** is displayed	a. DISARM SYSTEM NOW b. ARMED [AWAY] [INSTANT] – EXIT NOW

Additional Announcements:

Pressing STATUS key once will announce the following primary messages, depending on the system's status at the time:

Disarmed–Ready to Arm [check system]
Disarmed [not ready to arm]
Armed [away] [stay] [instant] [check system] [exit now]

Pressing the STATUS key twice will announce the following secondary messages, depending on the system's status at the time:

Fire Alarm + zone voice descriptor
Alarm + zone voice descriptor
Fire Fault + zone voice descriptor
Fault + zone voice descriptor
Low Battery + zone voice descriptor
Chime
Zones Bypassed
System Low Battery
AC Loss

NOTE: If there are no secondary messages, the primary status messages will be announced.

LED Meanings

ARMED (Red) LED:
ON = System armed
OFF = System disarmed
Blinking = System armed, but a fault exists

READY (Green) LED:
ON = System disarmed, ready to arm
Blinking = System disarmed, not ready to arm (a fault exists)
NOTE: When the system is armed, the READY LED turns off.

UL NOTICE: This is a "Grade A" residential system.

FCC STATEMENT

FCC ID: CFS8DLLYNX

THIS DEVICE COMPLIES WITH PART 15 OF FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

FEDERAL COMMUNICATIONS COMMISSION (FCC) Part 15 STATEMENT

This equipment has been tested to FCC requirements and has been found acceptable for use. The FCC requires the following statement for your information:

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 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:

- If using an indoor antenna, have a quality outdoor antenna installed.
- Reorient the receiving antenna until interference is reduced or eliminated.
- Move the receiver away from the control/communicator.
- Move the antenna leads away from any wire runs to the control/communicator.
- Plug the control/communicator into a different outlet so that it and the 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 or installer may find the following booklet prepared by the Federal Communications Commission helpful: "Interference Handbook". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402.

The user shall not make any changes or modifications to the equipment unless authorized by the Installation Instructions or User's Manual. Unauthorized changes or modifications could void the user's authority to operate the equipment.

IN THE EVENT OF TELEPHONE OPERATIONAL PROBLEMS

In the event of telephone operational problems, disconnect the control by removing the plug from the RJ31X (CA38A in Canada) telephone wall jack. We recommend that your certified installer demonstrate disconnecting the phones on installation of the system. Do not disconnect the phone connection inside the control/communicator. Doing so will result in the loss of your phone lines. If the regular phone works correctly after the control/communicator has been disconnected from the phone lines, the control/communicator has a problem and should be returned for repair. If upon disconnection of the control/communicator, there is still a problem on the line, notify the telephone company that they have a problem and request prompt repair service. The user may not under any circumstances (in or out of warranty) attempt any service or repairs to the system. It must be returned to the factory or an authorized service agency for all repairs.

FEDERAL COMMUNICATIONS COMMISSION (FCC) Part 68 NOTICE

This equipment complies with Part 68 of the FCC rules. On the front cover of this equipment is a label that contains, among other information, the FCC registration number and ringer equivalence number (REN) for this equipment. If requested, this information must be provided to the telephone company.

This equipment uses the following jacks:

An RJ31X is used to connect this equipment to the telephone network.

The REN is used to determine the quantity of devices which may be connected to the telephone line. Excessive RENs on the telephone line may result in the devices not ringing in response to an incoming call. In most, but not all areas, the sum of the RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to the line, as determined by the total RENs, contact the telephone company to determine the maximum REN for the calling area.

If this equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. If advance notice is not practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe necessary.

The telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the operation of the equipment. If this happens, the telephone company will provide advance notice in order for you to make the necessary modifications in order to maintain uninterrupted service.

If trouble is experienced with this equipment, please contact the manufacturer for repair and warranty information. If the trouble is causing harm to the telephone network, the telephone company may request you remove the equipment from the network until the problem is resolved.

There are no user serviceable components in this product, and all necessary repairs must be made by the manufacturer. Other repair methods may invalidate the FCC registration on this product.

This equipment cannot be used on telephone company-provided coin service. Connection to Party Line Service is subject to state tariffs.

When programming or making test calls to an emergency number, briefly explain to the dispatcher the reason for the call. Perform such activities in the off-peak hours; such as early morning or late evening.

OWNER'S INSURANCE PREMIUM CREDIT REQUEST

This form should be completed and forwarded to your homeowner's insurance carrier for possible premium credit.

A. GENERAL INFORMATION:

Insured's Name and Address: _____

_____

Insurance Company: _____ Policy No.: _____

ADEMCO's LYNX Other _____

Type of Alarm: ☐ Burglary ☐ Fire ☐ Both

Installed by: _____ Serviced by: _____
Name Name

_____ _____
Address Address

B. NOTIFIES (Insert B = Burglary, F = Fire)

Local Sounding Device _____ Police Dept. _____ Fire Dept. _____

Central Station ☐ Name: _____

Address: _____

Phone: _____

C. POWERED BY: A.C. With Rechargeable Power Supply

D. TESTING: ☐ Quarterly ☐ Monthly ☐ Weekly ☐ Other _____

continued on other side

OWNER'S INSURANCE PREMIUM CREDIT REQUEST (cont.)

E. SMOKE DETECTOR LOCATIONS

☐ Furnace Room ☐ Kitchen ☐ Bedrooms ☐ Attic

☐ Basement ☐ Living Room ☐ Dining Room ☐ Hall

F. BURGLARY DETECTING DEVICE LOCATIONS:

☐ Front Door ☐ Basement Door ☐ Rear Door ☐ All Exterior Doors

☐ 1st Floor Windows ☐ All Windows ☐ Interior Locations

☐ All Accessible Openings, Including Skylights, Air Conditioners and Vents

G. ADDITIONAL PERTINENT INFORMATION:

_____

_____

_____

_____

_____

Signature: _____ Date: _____

SERVICING INFORMATION

Your local ADEMCO dealer is the person best qualified to service your alarm system. Arranging some kind of regular service program with him is advisable.

Your local ADEMCO dealer is:

Name: _____

Address: _____

_____

Phone:

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WARNING!
THE LIMITATIONS OF THIS ALARM SYSTEM

While this system is an advanced design security system, it does not offer guaranteed protection against burglary or fire or other emergency. Any alarm system, whether commercial or residential, is subject to compromise or failure to warn for a variety of reasons. For example:

- Intruders may gain access through unprotected openings or have the technical sophistication to bypass an alarm sensor or disconnect an alarm warning device.
- Intrusion detectors (e.g. passive infrared detectors), smoke detectors, and many other sensing devices will not work without power. Battery operated devices will not work without batteries, with dead batteries, or if the batteries are not put in properly. Devices powered solely by AC will not work if their AC power supply is cut off for any reason, however briefly.
- Signals sent by wireless transmitters may be blocked or reflected by metal before they reach the alarm receiver. Even if the signal path has been recently checked during a weekly test, blockage can occur if a metal object is moved into the path.
- A user may not be able to reach a panic or emergency button quickly enough.
- While smoke detectors have played a key role in reducing residential fire deaths in the United States, they may not activate or provide early warning for a variety of reasons in as many as 35% of all fires, according to data published by the Federal Emergency Management Agency. Some of the reasons smoke detectors used in conjunction with this System may not work are as follows. Smoke detectors may have been improperly installed and positioned. Smoke detectors may not sense fires that start where smoke cannot reach the detectors, such as in chimneys, in walls, or roofs, or on the other side of closed doors. Smoke detectors also may not sense a fire on another level of a residence or building. A second floor detector, for example, may not sense a first floor or basement fire. Moreover, smoke detectors have sensing limitations. No smoke detector can sense every kind of fire every time. In general, detectors may not always warn about fires caused by carelessness and safety hazards like smoking in bed, violent explosions, escaping gas, improper storage of flammable materials, overloaded electrical circuits, children playing with matches, or arson. Depending upon the nature of the fire and/or the locations of the smoke detectors, the detector, even if it operates as anticipated, may not provide sufficient warning to allow all occupants to escape in time to prevent injury or death.
- Passive Infrared Motion Detectors can only detect intrusion within the designed ranges as diagrammed in their installation manual. Passive Infrared Detectors do not provide volumetric area protection. They do create multiple beams of protection, and intrusion can only be detected in unobstructed areas covered by those beams. They cannot detect motion or intrusion that takes place behind walls, ceilings, floors, closed doors, glass partitions, glass doors, or windows. Mechanical tampering, masking, painting or spraying of any material on the mirrors, windows or any part of the optical system can reduce their detection ability. Passive Infrared Detectors sense changes in temperature; however, as the ambient temperature of protected area approaches the temperature range of 90° to 105°F, the detection performance can decrease.
- Alarm warning devices such as sirens, bells or horns may not alert people or wake up sleepers if they are located on the other side of closed or partly open doors. If warning devices sound on a different level of the residence from the bedrooms, then they are less likely to waken or alert people inside the bedrooms. Even persons who are awake may not hear the warning if the alarm is muffled from a stereo, radio, air conditioner or other appliance, or by passing traffic. Finally, alarm warning devices, however loud, may not warn hearing-impaired people or waken deep sleepers.
- Telephone lines needed to transmit alarm signals from a premises to a central monitoring station may be out of service or temporarily out of service. Telephone lines are also subject to compromise by sophisticated intruders.
- Even if the system responds to the emergency as intended, however, occupants may have insufficient time to protect themselves from the emergency situation. In the case of a monitored alarm system, authorities may not respond appropriately.
- This equipment, like other electrical devices, is subject to component failure. Even though this equipment is designed to last as long as 10 years, the electronic components could fail at any time.

The most common cause of an alarm system not functioning when an intrusion or fire occurs is inadequate maintenance. This alarm system should be tested weekly to make sure all sensors and transmitters are working properly.
Installing an alarm system may make one eligible for lower insurance rates, but an alarm system is not a substitute for insurance. Homeowners, property owners and renters should continue to act prudently in protecting themselves and continue to insure their lives and property.

We continue to develop new and improved protection devices. Users of alarm systems owe it to themselves and their loved ones to learn about these developments.

ADEMCO ONE YEAR LIMITED WARRANTY

Alarm Device Manufacturing Company, a Division of Pittway Corporation, and its divisions, subsidiaries and affiliates ("Seller"), 165 Eileen Way, Syosset, New York 11791, warrants its security equipment (the "product") to be free from defects in materials and workmanship for one year from date of original purchase, under normal use and service. Seller's obligation is limited to repairing or replacing, at its option, free of charge for parts, labor, or transportation, any product proven to be defective in materials or workmanship under normal use and service. Seller shall have no obligation under this warranty or otherwise if the product is altered or improperly repaired or serviced by anyone other than the Seller. In case of defect, contact the security professional who installed and maintains your security equipment or the Seller for product repair.

This one year Limited Warranty is in lieu of all other express warranties, obligations or liabilities. THERE ARE NO EXPRESS WARRANTIES, WHICH EXTEND BEYOND THE FACE HEREOF. ANY IMPLIED WARRANTIES, OBLIGATIONS OR LIABILITIES MADE BY SELLER IN CONNECTION WITH THIS PRODUCT, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, ARE LIMITED IN DURATION TO A PERIOD OF ONE YEAR FROM THE DATE OF ORIGINAL PURCHASE. ANY ACTION FOR BREACH OF ANY WARRANTY, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY, MUST BE BROUGHT WITHIN 12 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL SELLER BE LIABLE TO ANYONE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, OR UPON ANY OTHER BASIS OF LIABILITY WHATSOEVER, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY THE SELLER'S OWN NEGLIGENCE OR FAULT. Some states do not allow limitation on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Seller does not represent that the product may not be compromised or circumvented; that the product will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; or that the product will in all cases provide adequate warning or protection. Buyer understands that a properly installed and maintained alarm may only reduce the risk of a burglary, robbery, fire or other events occurring without providing an alarm, but it is not insurance or a guarantee that such will not occur or that there will be no personal injury or property loss as a result. 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. HOWEVER, IF SELLER IS HELD LIABLE, WHETHER DIRECTLY OR INDIRECTLY, FOR ANY LOSS OR DAMAGE ARISING UNDER THIS LIMITED WARRANTY OR OTHERWISE, REGARDLESS OF CAUSE OR ORIGIN, SELLER'S MAXIMUM LIABILITY SHALL NOT IN ANY CASE EXCEED THE PURCHASE PRICE OF THE PRODUCT, WHICH SHALL BE THE COMPLETE AND EXCLUSIVE REMEDY AGAINST SELLER. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. No increase or alteration, written or verbal, to this warranty is authorized.

165 Eileen Way, Syosset, New York 11791

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