



VISTA-20SEa
3-Partition Security System

User Guide

N8148V1 9/98

® **ADEMCO**

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SYSTEM OVERVIEW

General

Congratulations on your ownership of an Ademco Partitioned Security System. You've 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 systems.

This system offers you three forms of protection: burglary, fire and emergency. Your system consists of at least one keypad which provides control of system operation, and includes various sensors which provide perimeter and interior burglary protection, plus smoke or combustion detectors designed to provide early warning in case of fire.

The system uses microcomputer technology to monitor all protection zones and system status and provides appropriate information for display on the keypad(s) used with the system, and initiates appropriate alarms. Your system may also have been programmed to automatically transmit alarm or status messages over the phone lines to a central alarm monitoring station.

A Partitioned System

Simply stated, a partitioned system provides two or more separate areas of protection intended for use by independent users. For the most part, you need not know about other partition users and their structure in the system, but from time to time, you may see display messages which indicate the system is in use by a user in another partition. This is normal.

A partitioned system may also have a "common" area, which is an area shared by users of both independent partitions in this system. This common area can be regarded as a third partition. Refer to the COMMON AREA OPERATION section for details.

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 will appear on the display, along with a description for that zone (if programmed), when an alarm or trouble condition occurs.

SYSTEM OVERVIEW

Burglary Protection

Your system provides four modes of burglary protection: STAY, AWAY, INSTANT and MAXIMUM, and allows you to BYPASS selected zones while leaving the rest of the system armed. You must turn on or "arm" the burglary protection portion of your system before it will sense burglary alarms. The system also provides a CHIME mode, for alerting users to the opening of protected doors and windows while the system is disarmed. Refer to the other sections of this manual for procedures for using these features.

The following table lists the four different arming modes and the results of each.

Arming Mode	Features For Each Arming Mode			
	Exit Delay	Entry Delay	Perimeter Armed	Interior Armed
AWAY	Yes	Yes	Yes	Yes
STAY	Yes	Yes	Yes	No
INSTANT	Yes	No	Yes	No
MAXIMUM	Yes	No	Yes	Yes

Security Codes

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

SYSTEM OVERVIEW

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.
Alarms	When an alarm occurs, both the keypad and external sounders will sound, and the keypad will display the zone(s) causing the alarm. If your system is connected to a central monitoring station, an alarm message will also be sent. To stop the alarm sounding, simply disarm the system.
Memory of Alarm	When an alarm condition occurs, the keypad displays the number(s) of the zone(s) that caused the problem, and displays the type of alarm (ex. FIRE, ALARM). It remains displayed until it is cleared by disarming the system (see DISARMING THE SYSTEM section).
Phone Access & Voice Response Capability	<p>Your system may include a voice module that will permit you to access the system via a Touch-Tone phone, either on-premises or by call-in when away. The phone access feature will enable you to do the following:</p> <ul style="list-style-type: none">• Receive synthesised voice messages over the telephone regarding the status of the security system.• Arm and disarm the system and perform most function commands via the telephone, with voice confirmation provided after each command entry. <p>Complete information regarding the use of this feature is provided in a separate manual entitled PHONE ACCESS USER'S GUIDE, which accompanies the voice module.</p>

ENTRY/EXIT DELAYS

General Information

Your system has preset time delays, known as exit delay and entry delay. Whenever you arm your system, **exit delay** gives you time to leave through the designated exit door without setting off an alarm. Exit delay begins immediately after entering any arming command, and applies to all modes of arming protection. If programmed, a slow beeping will sound throughout the exit delay period.

Entry Delays give you time to disarm the system when you re-enter through the designated entrance door. But 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 either INSTANT or MAXIMUM arming modes. These modes provide greater security while on the premises or while away for extended periods of time.

See your installer for your delay times.

Partition 1 Exit Delay: seconds

Entry Delay 1: seconds

Entry Delay 2: seconds

Partition 2 Exit Delay: seconds

Entry Delay 1: seconds

Entry Delay 2: seconds

ABOUT THE KEYPADS

General

IMPORTANT: If the keypad beeps rapidly upon entering the premises, it 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.

Your keypads allow you to control all system functions. The keypads feature a telephone style (digital) keypad and a Liquid Crystal Display (LCD) which shows the nature and location of all occurrences.

The keypads also feature a built-in sounder which will sound during alarms and troubles. The keypads also "beep" 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).

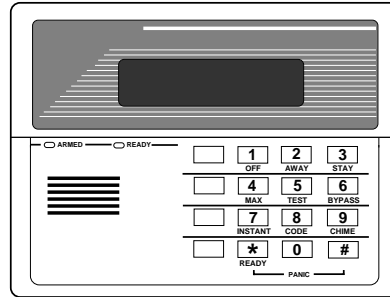
There are two basic types of keypads – a **Fixed-Word** keypad and an **Alpha** keypad (both described below).

2-Line Alpha Keypad

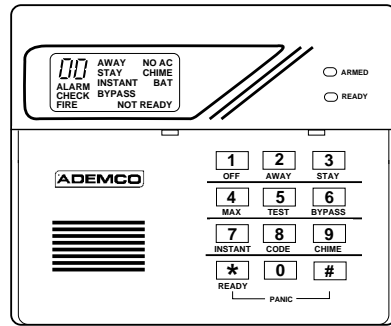
2-line Alpha keypads feature a 2-line, 32-character alphanumeric LCD which can display system messages in friendly English. These keypads can also be programmed with custom zone descriptors. **The screen displays depicted throughout this manual are those that would typically appear on a 2-line Alpha keypad.**

Fixed-Word Keypad

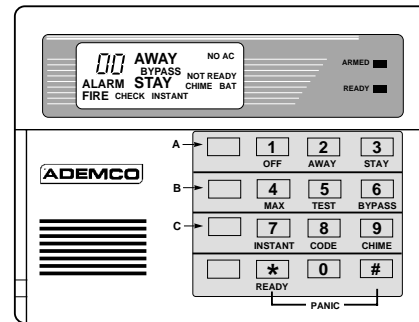
Fixed-Word keypads are functionally identical to Alpha keypads, but the LCD display uses pre-designated words to identify the nature and location of occurrences.



6139 ALPHA KEYPAD



6128



6137

FIXED-WORD KEYPADS

ABOUT THE KEYPADS

Fixed-Word Keypad Displays

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

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

INSTANT: Perimeter burglary zones armed and entry delay is turned off.

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

NOT READY: Appears when burglary portion of the system has open protection zones.

READY: All burglary system zones are secure.

NO AC: Appears when AC mains has been cut off. System is operating on backup battery power.

AC: Appears when AC mains is present.

CHIME: Appears when the CHIME feature is activated.

BAT: Low battery condition in a wireless sensor (if zone number displayed) or low system battery (if no zone number displayed).

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.

CHECK: 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 a fault in a DAY/NIGHT burglary zone during a disarmed period. Accompanied by a display of zone number in trouble.

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



6128 DISPLAY



6137 DISPLAY

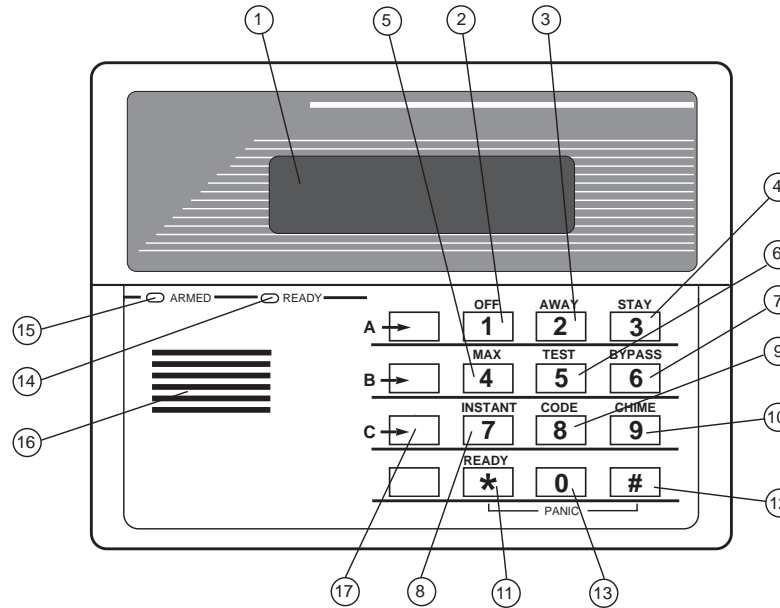
FUNCTIONS OF THE KEYPADS

1. **DISPLAY WINDOW:** Shown on next page, a 2-line, Liquid Crystal Display (LCD). Fixed-word keypads are functionally similar but use pre-designated words in their displays. Both types display protection point identification and system status messages.
2. **OFF KEY:** Disarms the burglary portion of the system, silences alarms and audible trouble indicators, and clears visual alarm trouble after the problem has been corrected.
3. **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.
4. **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.
5. **MAXIMUM KEY:** Arms in manner similar to AWAY mode, but eliminates the entry delay period, thus providing maximum protection. An alarm will occur immediately upon opening any protection point, including entry delay zones.
6. **TEST KEY:** Tests the system and alarm sounder.
7. **BYPASS KEY:** Removes individual protection zones from being monitored by the system. Displays currently bypassed protection zones.
8. **INSTANT KEY:** Arms in manner similar to STAY mode, but turns off the entry delay period, offering greater security while inside and not expecting any late arrivals. An alarm will occur immediately upon opening any perimeter protection point, including entry delay zones.
9. **CODE KEY:** Allows the entry of additional user codes that can be given to other users of the system.
10. **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 to sound at the Keypad(s).
11. **READY KEY:** When depressed prior to arming the system, the keypad will display all open protection zones within the keypad's home partition.
12. **# KEY:** Permits ARMING of the system without use of a security code ("Quick Arm", if programmed). Also used to view the second line of single-line Alpha keypads.
13. **KEYS 0-9:** Used to enter your individual security access code(s).

14. **READY INDICATOR:** (GREEN) The system has no open zones if lit, while unlit indicates the system has open zones.
15. **ARMED INDICATOR:** (RED) Lit when the system has been armed (STAY, AWAY, INSTANT or MAXIMUM).
16. **INTERNAL SOUNDER:** Source of audible internal warning and confirmation sounds, as well as alarms (see "Summary of Audible Notifications").
17. **A-B-C PANIC KEYS:** Some keypads use key pairs to activate panic alarms, rather than individual keys. Refer to the PANIC KEYS section for descriptions of these keys.

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.



SHOWN WITH KEYPAD COVER REMOVED

TYPICAL ALPHA KEYPAD

Fixed-Word Keypads are functionally similar, except for screen displays.

CHECKING FOR OPEN ZONES

Using the 
READY Key


Before arming your system, all protected doors, windows and other protection zones not on the exit route must be closed or bypassed (see BYPASSING section). Otherwise the keypad will display a "Not Ready" message.

Note: A green READY indicator on the keypad will be lit if all protection zones in the system are secure. If not lit, the system can only be armed if the zones that are NOT READY are on the exit route.

*DISARMED- PRESS ★
TO SHOW FAULTS*

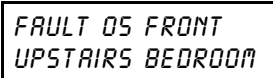
Using the **READY** key will display all zones that are faulted, making it easier for you to secure any open zones.

To show faulted zones:

1. 

PRESS THE READY KEY

Do not enter security code, but simply press the READY key.

2. 

SECURE FAULTED ZONES

Typical fault display shows open zones. Secure or bypass the non-exit route zones displayed before arming the system.

3. 

SYSTEM CAN BE ARMED

The "Ready" message will be displayed when all protection zones have been either closed or bypassed.

You may now arm the system as usual if the zones that are NOT READY are on the exit routes.

ARMING PERIMETER ONLY (With Entry Delay ON)

Using the STAY key

NOTE:
Failure to close an open exit route zone before the exit delay time ends may result in that zone being automatically bypassed at that time

Use this key when you are staying home, but might expect someone to use the entrance door later.

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.

Close all protected perimeter windows and non-main exit doors before arming (see CHECKING FOR OPEN ZONES section).

1. + ^{STAY}
(Security Code)

ENTER SECURITY CODE THEN PRESS STAY

Example: then press the STAY key.

2.

LISTEN FOR 3 BEEPS

The keypad will beep three times and will display the armed STAY message. The red ARMED indicator also lights.

You can restart the exit delay at any time after arming in the STAY mode by pressing the key. This is useful if you wish to open the entry/exit door to let someone in after arming the system. This avoids having to disarm the system and then arm it again.

ARMING PERIMETER ONLY (With Entry Delay OFF)

Using the
INSTANT Key

Note:
Failure to close an open exit route zone before the exit delay time ends may result in that zone being automatically bypassed at that time

Use this key when you are staying home and do not expect anyone to use the entrance door.

When armed in INSTANT mode, the system will sound an alarm if a protected door or window is opened, but you may otherwise move freely throughout the premises. The alarm will also sound immediately if anyone opens the entrance door.

Close all protected perimeter windows and non-main exit doors before arming (see CHECKING FOR OPEN ZONES section).

1. + ^{INSTANT}
(Security Code)

ENTER SECURITY CODE THEN PRESS INSTANT

Example: then press the INSTANT key.

2.

LISTEN FOR 3 BEEPS

The keypad will beep three times and will display the armed INSTANT message. The red ARMED indicator also lights.

You can restart the exit delay at any time after arming in the INSTANT mode by pressing the key. This is useful if you wish to open the entry/exit door to let someone in after arming the system. This avoids having to disarm the system and then arm it again.

ARMING ALL PROTECTION (With Entry Delay ON)

Using the
AWAY Key

NOTE:
Failure to close an open exit route zone before the exit delay time ends may result in that zone being automatically bypassed at that time

Use this key when no one will be staying on the premises.

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 must disarm the system within the entry delay period or an alarm will occur.

Close all protected perimeter windows and non-main exit doors before arming (see CHECKING FOR OPEN ZONES section).

1. + ^{AWAY}
(Security Code)

ENTER SECURITY CODE THEN PRESS AWAY

Example: then press the AWAY key.

2.

LISTEN

The keypad will beep twice, or beep continuously if exit warning has been programmed for your system, and displays the armed AWAY message. The red ARMED indicator also lights.

The "You May Exit Now" portion of the message disappears when the exit delay expires.

ARMING ALL PROTECTION (With Entry Delay OFF)

Using the
MAXIMUM Key

NOTE:
Failure to close an open exit route zone before the exit delay time ends may result in that zone being automatically bypassed at that time

Use this key when the premises will be vacant for extended periods of time such as vacations, etc., or when no one will be moving through protected interior areas.

When armed in MAXIMUM 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, but an alarm will be sounded as soon as someone re-enters.

Close all protected perimeter windows and non-main exit doors before arming (see CHECKING FOR OPEN ZONES section).

1. + ^{MAXIMUM}
(Security Code)

ENTER SECURITY CODE THEN PRESS MAXIMUM

Example: then press the MAXIMUM key.

2.

LISTEN

The keypad will beep twice, or beep continuously if exit warning has been programmed for your system, and will display the armed MAXIMUM message (AWAY/INSTANT on fixed-word keypads). The red ARMED indicator also lights.

The "You May Exit Now" portion of the message disappears when the exit delay expires.

DISARMING AND SILENCING ALARMS

Using the
OFF Key

Use the **OFF** key to disarm the system and to silence alarm and trouble sounds. See "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, indicating 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:

1. +
(Security Code)

OFF

ENTER SECURITY CODE, THEN PRESS OFF

Example: then press the OFF key.

2.
READY TO ARM

LISTEN FOR 1 BEEP

The "Ready" message will be displayed (if no alarms have occurred while armed) and the keypad will beep once to confirm that the system is disarmed.

DISARMING AND SILENCING ALARMS

(Continued)

Memory of Alarm If an alarm occurs, the keypad displays the zone number (s) that caused the alarm and the type of 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" message will not display, go to the displayed zone and correct the fault (close windows, etc.). If the fault cannot be corrected, notify your alarm company.

BYPASSING PROTECTION ZONES

Using the
BYPASS Key

This key is used 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.

To bypass zones, the system must be disarmed first.

1. +
(Security Code)

BYPASS

ENTER SECURITY CODE THEN PRESS BYPASS

Example: then press the BYPASS key.

2.
(Zone Numbers)

ENTER ZONE NUMBERS

Enter the zone number(s) for the zones 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).

3.

Typical bypass message

WAIT

The keypad will 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.

4.

ARM AS USUAL

Arm the system as usual when the keypad displays the "Ready" message.

(Continued)

BYPASSING PROTECTION ZONES (Continued)

Displaying Bypassed Zones

For determining what zones have been previously bypassed. Bypassed zones can be displayed only when the system is disarmed, and when the "Bypass" message shown in step 3 above is displayed.

1. + ^{BYPASS}
(Security Code)

ENTER SECURITY CODE THEN PRESS BYPASS

Example: then press the BYPASS key.

2.

*BYPASS 07FRONT
UPSTAIRS BEDROOM*

Typical bypass message

WAIT

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

CHIME MODE

Using the
CHIME Key

† or selected doors or windows if the chime-by-zone feature is active. Ask your installer if this feature applies to your system.

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 or window is opened. Pressing the **READY** key will display the open protection points.

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

To turn Chime Mode on:

1. + ^{CHIME}
(Security Code)

ENTER SECURITY CODE THEN PRESS CHIME

Example: then press the CHIME key.

2.

*DISARMED CHIME
READY TO ARM*

VIEW

The “Chime” message displays while chime mode is on.

To turn Chime Mode off:

1. + ^{CHIME}
(Security Code)

ENTER SECURITY CODE THEN PRESS CHIME

Example: then press the CHIME key.

2.

**** DISARMED ***
READY TO ARM*

VIEW

The “Chime” message disappears from the display.

PANIC KEYS

(FOR MANUALLY ACTIVATING SILENT AND/OR AUDIBLE ALARMS)

Using 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.

Active Panic Functions

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

Keys	Zone	Function
1 and ★	95	
3 and #	96	
★ and #	99	
A*	95	
B*	99	
C*	96	

* May not be present on your keypad(s).

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

* If your system is connected to an alarm monitoring company.

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 is 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 is also displayed)

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

USING DEVICE COMMANDS

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

ENTER SECURITY CODE THEN PRESS # + 7 + DEVICE NUMBER

+ # + 7 +
 (Security Code) (Device Number)

Example: 7 2 9 6 then press # , then press 7 , then enter the number representing the device you wish to activate. See your installer for device numbers assigned for your system.

To deactivate devices

ENTER SECURITY CODE THEN PRESS # + 8 + DEVICE NUMBER

+ # + 8 +
 (Security Code) (Device Number)

Example: 7 2 9 6 then press # , then press 8 , then enter the number representing the device you wish to deactivate. See your installer for device numbers assigned for your system.

Device	Description	Device	Description
1		5	
2		6	
3		7	
4		8	

COMMON AREA OPERATION

Your system may have been set up to use a common area, which is an area shared by users of both independent partitions, such as a foyer or lobby. This area is, in effect, a third partition. If your system is set up for this, please note the following:

- The common area will sound and report alarms only when **both** partitions are armed. If only one partition is armed, the system ignores faults on the common area.
- Either partition may arm its system if the common area is faulted, but once armed, the other partition **will not** be able to arm unless the common area is first bypassed or the fault is corrected.
- Faults on the common area are displayed on keypads in both partitions.
- Either partition can clear and restore the common area after an alarm.

Ask your installer if a common area was assigned. If so, place a check mark here.

SECURITY CODES

- General Information** As an additional safety feature, other users who do not have a need to know your code can be assigned different security codes. These secondary users are identified by "user numbers," which are selected when assigning a user's security code. You can assign up to 14 additional user codes (user numbers 03-16), including the babysitter and duress codes. Note that the master (primary) user of the system is the only one who can assign codes to secondary (or temporary) users, and is user number 02; user number 01 is reserved for the installer of the system.
- 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** This code can be used to arm the system in assigned partitions, 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 has a need to arm/disarm the system only at certain times. The babysitter code is assigned to user 15. The user of this code should **not** use the "Quick Arming" feature described below.
- Duress Code** 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 16.
- Important:** This code is useful only when the system is connected to an alarm monitoring company.
- Quick Arming** Note that if "Quick Arming" was programmed by the installer, the key can be pressed in place of the security code when arming the system. The security code must always be used to disarm the system, however.

SECURITY CODES (Continued)

To Add a User or Change a User's Code

Changing the Master Code
Follow the procedure for changing a user's code, but enter user #02. You will be prompted to enter the new code a second time to confirm accuracy.

Important: Temporary users of the system (e.g., babysitters, cleaning staff, etc.) 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 (e.g., perform steps 1, 2, and 3 below with no delay between steps).

1. + ^{CODE}
(Master Code)

ENTER MASTER CODE THEN PRESS CODE KEY

Example: then press the CODE key.

2.
(User Number)

ENTER USER NUMBER

Enter the 2-digit User Number (03-16) for the user you are adding or changing.

3.
(User's Code)

ENTER USER'S CODE

Enter the new 4-digit security code for that user.

To Delete a User

1. + ^{CODE}
(Master Code)

ENTER MASTER CODE THEN PRESS CODE KEY

Example: then press the CODE key.

2.
(User Number)

ENTER USER NUMBER

Enter the 2-digit User Number (03-16) for the user whose code you are deleting.

3. **STOP.**

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

TESTING THE SYSTEM

(TO BE CONDUCTED WEEKLY)

Using the
TEST Key

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 40 seconds as a reminder that the system is in the Test mode.

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

1.

DISARM THE SYSTEM

Disarm the system and close all protected windows, doors, etc. The "Ready" message should be displayed and the green READY indicator should also be lit .

2. +
(Security Code)

TEST

ENTER THE SECURITY CODE THEN PRESS TEST

Example: then press the TEST key.

3. **LISTEN.**

The external sounder should sound for 1 second and then turn off.

If the sounder does not sound, CALL FOR SERVICE IMMEDIATELY.

4. **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.

(Continued)

TESTING THE SYSTEM (Continued)

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. 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), **CALL FOR SERVICE IMMEDIATELY.**

When all protection points have been checked and are intact (closed), there should be no zone identification numbers displayed on the keypad.

When testing is completed, exit the TEST mode by continuing with step 5.

5. + ^{OFF}
(Security Code) **1**

EXIT TEST MODE

Enter your security code and press the OFF key.

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

TROUBLE CONDITIONS

Typical "Check" Displays

* Note that zone number 9 represents a problem with wireless receivers or other system devices, which are not user serviceable. CALL FOR SERVICE AT ONCE.

The word **CHECK** on the Keypad's display, accompanied by a rapid "beeping" at the Keypad, indicates that there is a trouble condition in the system. The displays in parenthesis may appear on non-alpha keypads when the associated trouble condition is present.

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

1. **CHECK + Zone Descriptors** Indicates that a problem exists with those zone(s)*. First, determine if the zone(s) displayed are intact and make them so if they are not. If the zone 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 **CHECK** should disappear. If not, key an OFF sequence (security code plus OFF) to clear the display. A CHECK condition can also indicate a wiring problem. If the "check" display persists, CALL FOR SERVICE IMMEDIATELY.

Note that the system will not allow arming if a CHECK condition exists. To arm the system with a CHECK condition present, you must first bypass the zone(s) having the CHECK condition.

2. **Telco Fault (or CHECK and zone 94)** If the telephone line monitor feature has been programmed for your system, this display indicates that the telephone line has been disconnected or cut. In some systems, this display will be accompanied by a trouble sound from the keypad and the external sounder may be activated. CONTACT YOUR SERVICE COMPANY IMMEDIATELY.

To silence the trouble sound, enter your security code plus OFF.

3. **COMM. FAILURE (or FC)** Indicates that a failure has occurred in the telephone communication portion of your system. CALL FOR SERVICE IMMEDIATELY.

TROUBLE CONDITIONS (Continued)

* The beeping that accompanies a low battery display (items 4 and 5) can be stopped by entering an OFF sequence (code + OFF)

** Not all systems use wireless transmitters.

4. **SYSTEM LO BAT**
(or **BAT** with no zone No.)
Indicates that a low system battery condition exists, and accompanied by a once-per-minute "beeping"* at the Keypad. CALL FOR SERVICE IMMEDIATELY.
5. **LO BAT + zone descriptor**
(or **BAT** with zone No.)
Indicates that a low battery condition exists in the wireless transmitter** displayed, and accompanied by a once-per-minute "beeping"* at the Keypad. CALL FOR SERVICE.
6. **Rcvr Jam**
(or **CHECK 90**)
Wireless part of the system is experiencing RF interference which may impede reception from wireless sensors.**
7. **MODEM COMM**
(or **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.
8. **AC LOSS** is displayed
(or **NO AC**)
The system is operating on battery power only. If only some lights are out on the premises, check circuit breakers and fuses and reset or replace as necessary. CALL FOR SERVICE if AC mains cannot be restored to the system.
9. **Busy-Standby** (or **dl**)
If this remains displayed for more than 1 minute, system is disabled. CALL FOR SERVICE AT ONCE.
10. **OPEN CIRCUIT** (or **OC**)
The keypad is not receiving signals from the control.
11. **Long Rng Trbl** (or **bF**)
If programmed, back-up Alternative Media communication has failed. CALL FOR SERVICE IMMEDIATELY.
12. **BELL FAILURE**
(or **CHECK 70**)
Indicates that the wiring connection to the external sounder is at fault (open or shorted). Accompanied by "beeping" at the touchpad. CALL FOR SERVICE IMMEDIATELY.

FIRE ALARM SYSTEM (IF INSTALLED)

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, interrupted sound from the Keypad. An interrupted sound will also be produced by optional exterior sounders. 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 Brigade immediately.
 4. If no flames or smoke are apparent, investigate the cause of the alarm. The zone descriptor of the zone(s) in an alarm condition will appear at the Keypad.

- Silencing A Fire Alarm**
1. Silence the alarm by pressing the **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.

MAINTAINING YOUR SYSTEM

Taking Care of Your System

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

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

Replacing Batteries in Wireless Sensors

Wireless sensors may not have been used in your security system

Each wireless sensor in your system has a 9-volt or 3-volt battery. The system detects a low battery in any wireless sensor, including smoke detectors, the optional personal emergency transmitter, and the optional portable wireless keypad. (A low battery in a portable wireless keypad or keyfob is detected as soon as one of its keys is pressed, and the wired keypad will display "00".)

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 provide up to 4 or more 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 or large variations in temperature, may all lead to the reduction of actual battery life in an installation.

If you have a low battery in a wireless sensor, a low battery message is displayed on the keypad.

In addition, a battery-operated smoke detector with a low battery also emits a single "chirp" sound approximately once every 20–30 seconds, identifying itself as the smoke detector with the weak battery.

Note: The low battery message comes on as a warning that battery replacement in indicated sensor(s) is due within 30 days. In the meantime, a sensor causing a low battery indication is still fully operational.

Important: Use only batteries recommended by your installer as replacement.

MAINTAINING YOUR SYSTEM (CONTINUED)

Silencing Low Battery Warning Tones at the Keypad

You can silence the keypad's warning tones by pressing the OFF key, but the keypad's low battery message display will remain on as a reminder that you have a low battery condition in one or more of your sensors. When you replace the weak battery with a fresh one, the sensor will send a "good battery" signal to the control as soon as the sensor is activated (opening/closing of door, window, etc.), causing the low battery display to turn off. If the sensor is not activated, the display will automatically clear within approximately 1 hour.

- 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.***

QUICK GUIDE TO SYSTEM FUNCTIONS

Function	Procedure	Comments
Check Zones	Press [★]	Do this to view faulted zones when system not ready.
Arm System	Enter code Press arming key desired (AWAY, STAY, INSTANT, MAXIMUM)	Do this to arm the system in the mode selected.
Disarm System	Enter code Press OFF [1]	Do this to disarm the system and silence alarms.
Bypass zones	Enter code Press BYPASS [6] Enter zone numbers to be bypassed (use 2-digit entries)	Do this to bypass protection zones. Bypassed zones are un-protected and will not cause an alarm if violated.
Chime Mode ON	Enter code Press CHIME [9]	Do this to turn on chime mode. Keypad will sound if (selected) doors or windows are opened while system disarmed.
Chime Mode OFF	Enter code Press CHIME [9]	Do this to turn chime mode off.
Test Mode ON	Enter code Press TEST [5]	Do this to enter test mode. Sounds alarm sounder and allows sensors to be tested.
Test Mode OFF	Enter code Press OFF [1]	Do this to turn test mode off. System returns to normal mode.

(Continued)

QUICK GUIDE TO SYSTEM FUNCTIONS (Continued)

Function	Procedure	Comments
Add or Change a User	Enter master code Press CODE [8] Enter user's 2-digit user No. Enter code for that user	Do this to add or change a user code.
Delete a User	Enter master code Press CODE [8] Enter user number to be deleted Wait until a beep is heard (approximately 3 seconds)	Do this to delete a user code from the system.
Change a Master Code	Enter Master Code Press CODE [8] Press [0] + [2] Master User No. Enter new 4-digit Master Code Enter new Master Code again	Do this to change the existing Master Code.

SUMMARY OF AUDIBLE NOTIFICATIONS

(ALPHA DISPLAY KEYPADS)

SOUND	CAUSE	DISPLAY
LOUD, INTERRUPTED Keypad & External	FIRE ALARM	FIRE is displayed; descriptor of zone in alarm is displayed.
LOUD, CONTINUOUS Keypad & External	BURGLARY/AUDIBLE EMERGENCY ALARM	ALARM is displayed; descriptor of zone in alarm is also displayed.
ONE SHORT BEEP (not repeated) Keypad only	a. SYSTEM DISARM b. SYSTEM ARMING ATTEMPT WITH AN OPEN NON-EXIT ROUTE ZONE c. BYPASS VERIFY	a. DISARMED/READY TO ARM is displayed. b. The number and descriptor of the open protection zone is displayed. c. Numbers and descriptors of the bypassed protection zones are displayed (One beep is heard for each zone displayed). Subsequently, the following is displayed: DISARMED BYPASS/READY TO ARM
ONE SHORT BEEP (once every 40 seconds) Keypad only	a. SYSTEM IS IN TEST MODE b. LOW BATTERY AT A TRANSMITTER	a. Opened Zone identifications will appear. b. LO BAT displayed with description of transmitter.
TWO SHORT BEEPS Keypad only	ARM AWAY OR MAXIMUM	ARMED AWAY or ARMED MAXIMUM is displayed. Red ARMED indicator is lit.
THREE SHORT BEEPS Keypad only	a. ARM STAY OR INSTANT b. ZONE OPENED WHILE SYSTEM IS IN CHIME MODE.	a. ARMED STAY or ARMED INSTANT is displayed. Red ARMED indicator is lit. b. CHIME displayed, descriptor of open protection zone will be displayed if the [★] key is pressed.
RAPID BEEPING Keypad only	a. TROUBLE b. MEMORY OF ALARM c. SYSTEM LOW BATTERY d. EXT. SOUNDER WIRING FAIL.	a. CHECK displayed. Descriptor of troubled protection zone is displayed. b. FIRE or ALARM is displayed; descriptor of zone in alarm is displayed. c. SYSTEM LO BAT displayed . d. BELL FAILURE is displayed.
SLOW BEEPING Keypad only	a. EXIT DELAY WARNING (if programmed) b. ENTRY DELAY WARNING	a. ARMED AWAY or ARMED MAXIMUM is displayed along with You May Exit Now b. DISARM SYSTEM OR ALARM WILL OCCUR is displayed. Exceeding the delay time without disarming causes alarm.

SUMMARY OF AUDIBLE NOTIFICATIONS

(FIXED-WORD DISPLAY KEYPADS)

SOUND	CAUSE	DISPLAY
LOUD, INTERRUPTED Keypad & External	FIRE ALARM	FIRE is displayed; zone number of zone in alarm is displayed.
LOUD, CONTINUOUS Keypad & External	BURGLARY/AUDIBLE EMERGENCY ALARM	ALARM is displayed; zone number of zone in alarm is also displayed.
ONE SHORT BEEP (not repeated) Keypad only	a. SYSTEM DISARM b. SYSTEM ARMING ATTEMPT WITH AN OPEN ZONE. c. BYPASS VERIFY	a. READY is displayed. b. The number of the open protection zone is displayed. c. Zone numbers of the bypassed protection zones are displayed (one beep is heard for each zone displayed). Subsequently, the following is displayed: BYPASS and READY
ONE SHORT BEEP (once every 40 seconds) Keypad only	a. SYSTEM IS IN TEST MODE b. LOW BATTERY AT A TRANSMITTER	a. Opened zone numbers will appear. b. BAT displayed with zone number of transmitter.
TWO SHORT BEEPS Keypad only	ARM AWAY OR MAXIMUM	AWAY or AWAY & INSTANT is displayed. Red ARMED indicator is lit.
THREE SHORT BEEPS Keypad only	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; zone number of open protection zone will be displayed if the [*] key is pressed.
RAPID BEEPING Keypad only	a. TROUBLE b. MEMORY OF ALARM c. SYSTEM LOW BATTERY d. EXT. SOUNDER WIRING FAIL.	a. CHECK displayed. Zone number of troubled protection zone is displayed. b. FIRE or ALARM is displayed; zone number of zone in alarm is displayed c. BAT displayed with no zone ID number. d. CHECK 70 is displayed.
SLOW BEEPING Keypad only	a. EXIT DELAY WARNING (if programmed) b. ENTRY DELAY WARNING	a. AWAY or AWAY & INSTANT is displayed. b. Exceeding the entry delay time without disarming causes an alarm.

GLOSSARY

The following terms are used throughout the manual.

- ARM/DISARM:** "Armed" simply means that the burglary portion of your system is turned ON and is in a state of readiness. "Disarmed" means that the burglary system is turned OFF, and must be rearmed to become operational. However, even in a "disarmed" state, "emergency" and "fire" portions of your system are still operational.
- KEYPAD:** This is the area on your Keypad containing numbered pushbuttons similar to those on telephones or calculators. These keys control the arming or disarming of the system, and perform other functions which were previously described in this manual.
- ZONE:** A specific area of protection.
- PARTITION:** An independent group of zones that can be armed and disarmed without affecting other zones or users.
- BYPASS:** To disarm a specific area of burglary protection while leaving other areas operational.
- DELAY ZONE:** An area of protection containing doors most frequently used to enter or exit (typically, a front door, back door, or door from the garage into the building). The delay zone allows sufficient time for authorised entry or exit without causing an alarm. Consult your installer for the entry and exit delay times that have been set for your system during installation and record them in the space provided in this manual on page 7.
- DAY/NIGHT ZONE:** An area of protection whose violation causes a trouble indication during the disarmed (DAY) mode and an alarm during the armed (NIGHT) mode.

PROTECTION ZONES LIST

One or more sensing devices will have been assigned by the installer of your alarm system to each of the various protection zones in your system (*although not every zone number can be used*). For example, the sensing device on your Entry/Exit door may have been assigned to zone 06, sensing devices on windows in the master bedroom to zone 10, and so on.

Zone numbers 95, 96 and 99 represent Keypad "Panic" alarm functions assigned by the installer. Zone numbers 92 and 09 are reserved for Duress and for wired Expansion Module supervision signal reporting to the central station.

This chart may be used to record the specific zone number assignments for your system. Your installer will assist you in recording this information.

PROTECTION ZONE DESCRIPTIONS

Zone	Description	Zone	Description	Zone	Description
01		16		31	
02		17		32	
03		18		33	
04		19		34	
05		20		35	
06		21		36	
07		22		37	
08		23		38	
09	Expander supervision	24		39	
10		25			
11		26			
12		27		92	Duress
13		28		95	Key A (or: 1 & ✱) Panic
14		29		99	Key B (or: ✱ & #) Panic
15		30		96	Key C (or: 3 & #) Panic

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, they may not activate or provide early warning for a variety of reasons in as many as 35% of all fires. 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 32° to 40°C, the detection performance can decrease.

WARNING!
THE LIMITATIONS OF THIS ALARM SYSTEM
(continued)

- 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.

IN THE EVENT OF TELEPHONE OPERATIONAL PROBLEMS

In the event of telephone operational problems, disconnect the control by removing the plug from the 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 could 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.

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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.

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Pittway Australia Pty, Ltd.

**Unit 5, Riverside Centre, 24-28 River Road West
Paramatta, NSW 2150, Australia**



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