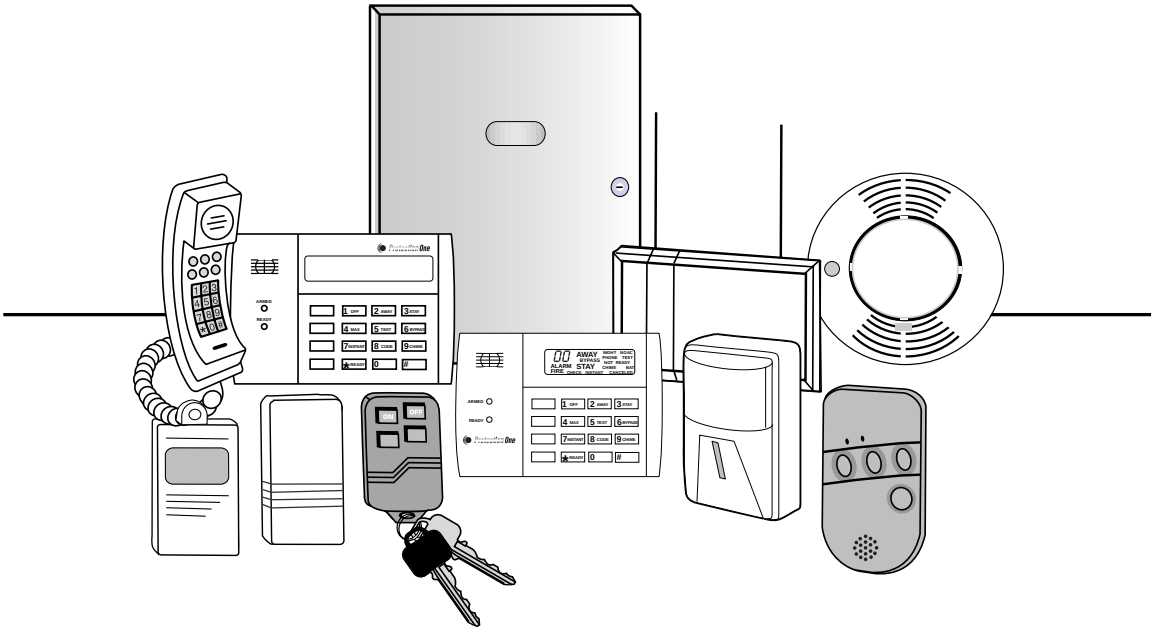
250PI

Security System

User Guide



Protection One

K4333 9/99

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System Overview

General Information

Congratulations on your ownership of a PROTECTION ONE Security System. You've made a wise decision in choosing this system because it represents the latest in security protection technology available today. PROTECTION ONE is one of the world's largest manufacturers of security systems, and millions of premises are protected by PROTECTION ONE.

The 250P1 offers you three forms of protection: burglary, fire, and emergency. Your system consists of at least one keypad, which provides control of system operation. The system includes various sensors that provide perimeter and interior burglary protection, plus smoke or combustion detectors designed to provide early warning in case of fire.

The 250P1 uses microcomputer technology to monitor all protection zones and system status, display appropriate information on the keypad(s) used with the system, 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.

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 in 2-line alpha display keypads), when an alarm or trouble condition occurs.

Burglary Protection

Your 250P1 provides five modes of burglary protection: STAY, NIGHT-STAY, INSTANT, AWAY, and MAXIMUM, and allows you to bypass selected zones while leaving the rest of the system armed. You must turn on (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 five different arming modes and the features of each.

ARMING MODE	FEATURES OF EACH ARMING MODE			
	Exit Delay	Entry Delay	Perimeter Armed	Interior Armed
STAY	Yes	Yes	Yes	No
NIGHT-STAY	Yes	Yes	Yes	Yes*
INSTANT	Yes	No	Yes	No
AWAY	Yes	Yes	Yes	Yes
MAXIMUM	Yes	No	Yes	Yes

* for selected interior zones (ask your installer about the included zones)

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 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.

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.

Paging Feature

If the paging feature has been programmed for your system, your pager will respond to certain conditions as they occur in your system. Your pager will display code numbers indicating the type of condition that has occurred. Refer to the ***Paging Feature*** section for more detailed information.

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.

Cross Zoning

Cross zoning is used to prevent false alarms. Up to 10 zones can be linked together in your security system (programmed by the installer). If any of the 10 linked zones faults in the armed state, the system will wait to see if a second zone faults within a programmed period of time. When the second zone faults, alarms will be sent out for both zones (if programmed), the alarm bell will sound, and the two zones in alarm will be displayed on the keypad.
However, if another fault does NOT occur within the programmed period of time, only a Trouble report will be sent to the monitoring station and no message will be displayed on the keypad until the system is disarmed.

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 (e.g., **FIRE**, **ALARM**). It remains displayed until it is cleared by disarming the system (see the ***Disarming and Silencing Alarms*** section).

Phone Access & Voice Response Capability

Your system may include a voice module that permits you to access the system via a TouchTone phone, either on-premises or by call-in when away. The phone access feature will enable you to do the following:

- Receive synthesized 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.

Entry/Exit Delays

General Information

The 250P1 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 it is programmed, a slow beeping will sound throughout the exit delay period; with fast beeps during the last 10 seconds.

Entry Delay gives 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 give you enough time to walk to the keypad to disarm the system.

You can also arm the system with no entry delay at all by using the INSTANT arming mode when someone remains on premises, or arm the system in the MAXIMUM arming mode when no one is expected to be on the premises. The former mode provides greater security while you are on the premises, or the latter, when your absence will be extended, such as when your on vacation.

See your installer for your delay times (you may want to record them below).

Exit delay : ☐ seconds

Entry delay 1: ☐ seconds

Entry delay 2: ☐ seconds

Exit Alarms

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.

☐ Exit Alarm Active

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 **CANCELLED ALARM** or **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 intact. To clear the display, enter your 4-digit security code plus OFF key.

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 **EXIT ALARM** or **EA** is displayed on the keypad, along with a zone number indicating the faulted zone. To stop the alarm, the system must be disarmed (by entering your 4-digit security code). To clear the display, enter your security code plus OFF.

An exit alarm also results if an entry/exit door or interior zone is faulted within 2 minutes after the end of the exit delay.

About the Keypads

IMPORTANT

If the keypad beeps rapidly when you enter the premises, it means 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.

General Information

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

The keypads contain a built-in loudspeaker (sounder) that will annunciate during alarms and troubles. The keypads also beep during certain system functions, such as during entry/exit delay times, in **CHIME** mode, and when you depress any of the keys (to acknowledge the key press).

There are two basic types of keypads: the **fixed-word** keypad and the **alpha** keypad (both described below).

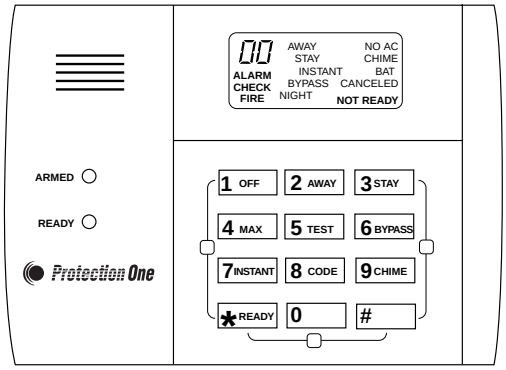
Two-Line Alpha Keypad

Alpha keypads feature a 2-line, 32-character alphanumeric LCD that displays system messages and instructions. The alpha keypad supported by this system (6160PL2) is shown on a following page. This keypad can be programmed with custom zone descriptors, if programmed. **The screen displays depicted in this manual are those that typically appear on this 2-line alpha keypad.**

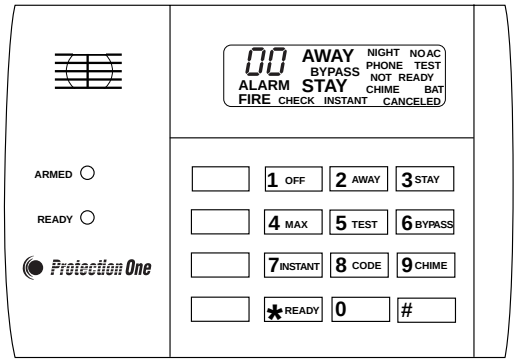
Fixed-Word Keypad

Fixed-word keypads are functionally identical to alpha keypads, but the LCD display only uses predesignated words to identify the nature and location of occurrences. The fixed-word keypads supported by this 250P1 system (6150PL2 and 6150RFPL2) are shown on the next page.

Fixed-Word Keypads

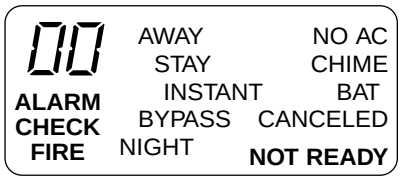


6148PL2
FIXED-WORD KEYPAD



6150PL2/6150RFPL2
FIXED-WORD KEYPAD

Displays



What the Displays mean:

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

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

NIGHT: & STAY (NIGHT-STAY) Perimeter burglary zones such as protected windows and doors are armed, as well as selected interior zones. (Both LCD words will be visible in this mode.)

INSTANT: Perimeter burglary zones are armed and Entry Delay is turned off.

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

About the Keypads (cont'd)

NOT READY: The burglary portion of the system is not ready for arming (due to open protection zones).

READY: The burglary system is ready to be armed.

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

AC: AC power is present.

CHIME: The Chime feature is activated.

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

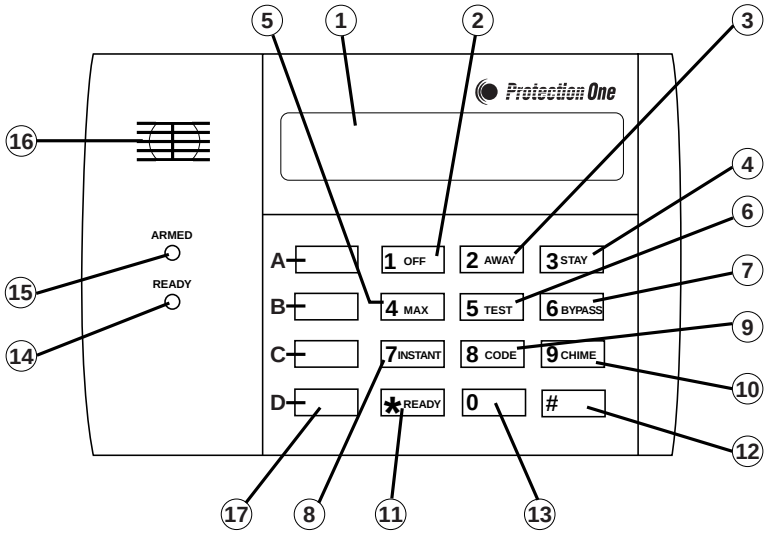
ALARM: An intrusion has been detected and the system is armed (also appears during a fire alarm or audible emergency alarm). The protection zone in alarm is also displayed.

CHECK: A malfunction has been discovered in the system (at any time); or an open has been detected in a Fire zone (at any time); or a fault has been detected in a Day/Night burglary zone (during a disarmed period). The zone number in trouble is also displayed.

FIRE: A fire alarm is present. The zone in alarm is also displayed.

CANCELED: Appears when an alarm occurs and the system is disarmed before the monitoring station has been notified. This message will also appear after a CANCEL report has been received by the monitoring station when you press the A, B, C, or D key (if available) which has been programmed to provide this cancel option.

Functions of the Keypads



6160PL2
2-LINE ALPHA KEYPAD

All keypads are functionally identical to the numbered callouts shown above and described as follows.

1. **DISPLAY WINDOW:** Fixed-word and 2-line Alpha Displays use Liquid Crystal Displays (LCDs) to display protection point identification and system status. 2-Line Alpha keypads also may display messages and user instructions.

2. **OFF KEY:** Disarms the burglary portion of the system, silences alarms and audible trouble indicators, and clears visual alarm indications on the keypad after the problem has been corrected.

3. **AWAY KEY:** Completely arms both perimeter and interior burglary zones for backup protection by sensing an intruder's movements through protected interior areas. Also guards 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.

Functions of the Keypads (cont'd)

4. **STAY KEY:** Arms the perimeter burglary sensors, 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. If this key is pressed twice in rapid succession, the system is armed in a higher level of security than STAY arming. This higher level is called NIGHT-STAY and incorporates all the features of the STAY mode, but also arms selected interior zones (ask your installer for further information).

5. **MAX KEY:** Arms in a 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. The keypad displays currently bypassed protection zones.

8. **INSTANT KEY:** Arms in a manner similar to STAY mode, but turns off the entry delay period, offering greater security while you are inside and not expecting any late visitors. 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 it is on, any entry through a protected delay or perimeter zone while the system is disarmed will cause beeping sounds at the keypad(s) to alert the occupants.

11. **READY KEY:** When this key is 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 entering a security code ("Quick Arm," if programmed).
13. **KEYS 0-9:** Used to enter your individual security access code(s).
14. **READY INDICATOR:** The system is ready to be armed if this indicator is lit. An unlit indicator means the system is not ready (a zone is open).
15. **ARMED INDICATOR:** (RED) Lit when the system has been armed in the STAY, NIGHT-STAY, AWAY, INSTANT, or MAXIMUM mode.
16. **INTERNAL SOUNDER:** Source of audible internal warning and confirmation sounds, as well as alarms (see ***Summary of Audible Notification*** section).
17. **A-B-C-D KEYS:** These keys (if available) are function keys that may be programmed to perform up to 11 specific system functions. The factory default settings for these keys perform the following system functions:

KEY	FUNCTION
A	CANCEL
B	COMM TEST
C	NOT USED
D	SPECIAL FUNCTION #1

Refer to FUNCTION KEY Section for further description of these four 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.

Checking for Open Zones

Using the [✶] Key

Before arming your system, all protected doors, windows, and other protection zones must be closed or bypassed (see ***Bypassing Protection Zones*** section). Otherwise the keypad will display a **NOT READY** message. Pressing the [✶] key will display all zones that are faulted, making it easier for you to secure any open zones.

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

NOT READY - PRESS ✶ TO SHOW FAULTS

1. [✶]

Show faulted zones.
Press the [✶] key. (There is no need to enter your security code in order to reveal faulted zones.)

2.

FAULT 05 FRONT UPSTAIRS BEDROOM

Secure faulted zones.
Typical fault display shows open zone. Secure or bypass the zone(s) displayed before arming the system.

3.

DISARMED READY TO ARM

Arm the system.
The **READY** message is displayed when all protection zones have been either closed or bypassed.

You may now arm the system as described on the following pages.

Arming Perimeter Only
(with Entry Delay)

Using the [3] Key
STAY

Use this key when you are staying home, but 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 visitors can enter through the entrance door without causing an alarm, but the system must be disarmed within the entry delay period or an alarm will occur.

Close all protected perimeter windows and doors before arming (see ***Checking for Open Zones*** section). The green READY indicator (if present) on the keypad should be lit if the system is ready to be armed.

1. [ ][ ][ ][ ] + [3]
   (Security Code) **STAY**

   Enter 4-digit security code, then press the STAY key.

   Example: Press [7] [2] [9] [6], then [3]

   or, for Quick Arming (if enabled):

   Press the [#] key followed by the STAY key, *or* press and hold (for 2 seconds) the function key programmed for STAY (if available).

2. ***ARMED STAY***

   Listen for 3 beeps.
   The keypad beeps three times and displays the **ARMED STAY** message. The red ARMED indicator also lights.

   ARMED STAY
   You may exit now

   The **You may exit now** portion of the message disappears when the exit delay time expires.

You can restart the exit delay at any time after arming in STAY mode by pressing the [✳] key. This is useful if you wish to open the entry/exit door to let someone in or out after arming the system without having to disarm the system and then re-arm it again†.

† Refer to the note at bottom of page 20 dealing with the automatic Exit Restart feature.

Arming Perimeter and Selected Interior Zones
(with Entry Delay)

Using the [3] Key to Arm Night-Stay

STAY

Use this key when you are staying home, but would like increased security by arming preselected interior zones.

When armed in NIGHT-STAY mode, the system will sound an alarm if a protected window or door is opened, or if one of the selected interior zones is faulted. You may re-enter through the entrance door without causing an alarm if one of the selected perimeter zones is not faulted.

Close all protected perimeter windows and doors before arming (see ***Check for Open Zones*** section). The green READY indicator on the keypad should be lit if the system is ready to be armed.

1. [ ][ ][ ][ ] + [3] + [3]
   (Security Code) **STAY** **STAY**

   Enter 4-digit security code, then press STAY key twice.
   Example: Press
   [7] [2] [9] [6] , then [3] [3]

   or, for Quick Arming (if enabled):

   Press the [#] key followed by the STAY key twice, *or* press and hold (for 2 seconds) the function key programmed for NIGHT-STAY (if available).

2. ***NIGHT-STAY***
   You may exit now

   Listen for 3 beeps.
   The keypad beeps three times and displays the **NIGHT-STAY** message. The **You may exit now** portion of the message disappears when the exit delay time expires.

You can restart the exit delay at any time after arming in NIGHT-STAY mode by pressing the [*] key. This is useful if you wish to open the entry/exit door to let someone in or out after arming the system without having to disarm the system and then re-arm it again†.

† Refer to the note at bottom of page 20 dealing with the automatic Exit Restart feature.

Arming Perimeter Only
(with No Entry Delay)

Using the [7] Key
INSTANT

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 doors before arming** (see ***Checking for Open Zones*** section). The green READY indicator on the keypad should be lit if the system is ready to be armed.

1. [ ][ ][ ][ ] + [7]
   (Security Code) **INSTANT**

   Enter 4-digit security code, then press the INSTANT key.
   Example: Press [7] [2] [9] [6], then [7]

   or, for Quick Arming (if enabled):

   Press the [#] key followed by the INSTANT key.

2. ARMED * INSTANT*
   you may exit now

   Listen for 3 beeps.
   The keypad beeps three times and displays the **ARMED INSTANT** message. The red ARMED indicator also lights.

You can restart the exit delay at any time after arming in INSTANT mode by pressing the [✳] key. This is useful if you wish to open the entry/exit door to let someone in or out after arming the system without having to disarm the system and then re-arm it again†.

† Refer to the note at bottom of page 20 dealing with the automatic Exit Restart feature.

Arming All Protection
(with Entry Delay)

Using the [2] Key
AWAY

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 else an alarm will occur†.

NOTE: If the Auto Stay feature is enabled (ask your installer) and the system is armed from a hard-wired keypad, and no entry/exit zone is violated during the exit time, the system **will revert** to the STAY mode.

Close all protected perimeter windows and doors before arming (see ***Checking for Open Zones*** section). The green READY indicator (if present) on the keypad should be lit if the system is ready to be armed.

1. [ ][ ][ ][ ] + [2]
   (Security Code) **AWAY**

   Enter 4-digit security code, then press the AWAY key.
   Example: Press [7] [2] [9] [6], then [2]

   or, for Quick Arming (if enabled):

   Press the [#] key followed by the AWAY key *or* press and hold (for 2 seconds) the function key programmed for AWAY (if available).

2. ARMED**AWAY**
   You may exit now

   Listen.
   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 also lights.

   The **You may exit now** portion of the message disappears when the exit delay time expires†.

† **NOTE:** There is an automatic Exit Restart feature built into your system. It works this way: If you realize that you forgot something and have to go back inside the premises (within the original exit delay time), as soon as you re-enter, a new exit delay time sequence is started. This restarting of the exit delay time occurs only once during each arming session, however; therefore you're permitted only one return without setting off alarms.

Arming All Protection
(Without Entry Delay)

Using the [4] Key
MAXIMUM

Use this key when the premises will be vacant for an extended period of time, such as during a vacation, 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 doors before arming (see ***Checking for Open Zones*** section). The green READY indicator (if present) on the keypad should be lit if the system is ready to be armed.

1. [ ][ ][ ][ ] + [4]
   (Security Code) **MAXIMUM**

   Enter 4-digit security code, then press the MAXIMUM key.
   Example: Press [7] [2] [9] [6] then [4]

   or, for Quick Arming (if enabled):

   Press the [#] key followed by the MAXIMUM key.

2. | ARMED*MAXIMUM* |
   | You may exit now |

   Listen.
   The keypad beeps twice, or beeps continuously if exit warning has been programmed for your system, and displays 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.†

† Refer to the note at bottom of page 20 dealing with the automatic Exit Restart feature.

Disarming and Silencing Alarms

Using the [1] Key

OFF

Use the **OFF** key to disarm the system and to silence alarm and trouble sounds. See ***Summary of Audible Notification*** section for information to help you 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 when you enter, 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: (this disarming method may be used at ***any*** time, including exit time delay)

1. [ ][ ][ ][ ] + [1]
   (Security Code) **OFF**

   Enter 4-digit security code, then press the OFF key.
   Example: Press [7] [2] [9] [6] then [1]

2. ****DISARM****
   READY TO ARM

   Listen for 1 beep.
   The keypad displays the **READY TO ARM** message and beeps once to confirm that the system is disarmed.

To disarm the system during entry time: (this disarming method can ***only*** be used when the system is in actual alarm or during a entry time delay)

1. [ ][ ][ ][ ]
   (Security Code)

   Enter 4-digit security code
   Example: Press [7] [2] [9] [6]

2. ****DISARM****
   READY TO ARM

   Listen for 1 beep.
   The keypad displays the **READY TO ARM** message and beeps once to confirm that the system is disarmed.

To silence burglary alarms:

1. ☐☐☐☐ (Security Code)
   Enter 4-digit security code.
   Example: Press [7] [2] [9] [6]

To clear the display after silencing alarm:

2. ALARM 03 ZONE 03
   Listen for 1 beep.
   The keypad displays the alarm memory.
   Enter 4-digit security code, then press the OFF key.
   Example: Press [7] [2] [9] [6] then [1]

3. **DISARM**
   READY TO ARM
   Listen for 1 beep.
   The keypad displays the **READY TO ARM** message and beeps 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. These messages remain displayed until cleared by a user.

To clear the display:

Note the zone number displayed and enter an OFF sequence.

☐☐☐☐ + [1]* (Security Code) OFF
Enter 4-digit security code, then press the OFF key.*
Example: Press [7] [2] [9] [6] then [1]*

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.

* In cases of an alarm, trouble, or **CHECK** message, the 4-digit security code and OFF key must be entered into the system two times to clear the display.

Bypassing Protection Zones

Using the [6] Key

BYPASS

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. [ ][ ][ ][ ] + [6]
   (Security Code) **BYPASS**

   Enter 4-digit security code, then press the BYPASS key.
   Example: Press [7] [2] [9] [6] then [6]

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. BYPASS 07 FRONT
   UPSTAIRS BEDROOM
   Typical bypass message

   Wait.
   The keypad displays the word **BYPASS** along with each bypassed zone number (and a zone descriptor if programmed). Wait for these zones to be displayed, to be sure that intended zones are bypassed.

4. DISARM BYPASS
   READY TO ARM

   Arm as usual.
   Arm the system as usual when the keypad displays the **READY TO ARM** message.

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.

1. ☐☐☐☐ + **6**
   (Security Code) **BYPASS**

   Enter 4-digit security code, then press the BYPASS key.
   Example: Press 7 2 9 6 then **6**

2. BYPASS 07 FRONT
   UPSTAIRS BEDROOM
   Typical bypass message

   Wait.
   In a few moments, all open zones are 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.

3. DISARM BYPASS
   READY TO ARM

   Arm as usual.
   Arm the system as usual when the keypad displays the **READY** message.

Displaying Bypassed Zones

For determining what zones have been bypassed, all bypassed zones can be displayed only when the system is disarmed, and when the **BYPASS** message shown in step 3 above is displayed.

1. ☐☐☐☐ + **6**
   (Security Code) **BYPASS**

   Enter 4-digit security code, then press the BYPASS key.
   Example: Press 7 2 9 6 then **6**

2. BYPASS 07 FRONT
   UPSTAIRS BEDROOM
   Typical bypass message

   Wait.
   In a few moments, all open zones are sequentially displayed along with the word **BYPASS**.

Chime Mode

Using the [9] Key

CHIME

Your system can be set to alert you to the opening of a door or window† when the system is disarmed by using the CHIME mode. When activated, three beeps sound at the keypad whenever a protected perimeter door or window is opened.

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

Pressing the [✶] 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. [ ][ ][ ][ ] + [9]
   (Security Code) **CHIME**
   Enter 4-digit security code, then press the CHIME key.
   Example: Press [7] [2] [9] [6] then [9]

2. DISARMED CHIME
   Ready to Arm
   View.
   The word **CHIME** appears on the display. The system is still disarmed as shown.

To turn CHIME mode off:

1. [ ][ ][ ][ ] + [9]
   (Security Code) **CHIME**
   Enter 4-digit security code, then press the CHIME key.
   Example: Press [7] [2] [9] [6] then [9]

2. ****DISARMED****
   READY TO ARM
   View.
   The **CHIME** word disappears from the display. The system remains disarmed as shown.

Using the [A] [B] [C] [D] Keys

If available on your keypad, your installer can program these keys to provide you with a great degree of flexibility.

You may want each of the keys to provide you with a different option.

Those options include the following:

Trigger a Panic alarm
Arm system in the AWAY mode
Arm system in the STAY mode
Arm system in the NIGHT-STAY mode
Toggle lights on/off
Send a Cancel report to the monitoring station
Initiate a dialer TEST
Send a message to a pager
See a one-time Time/Date display
Start a Macro program sequence (Refer to Macro Programming section)
Send a special message to the monitoring station and/or a pager

Panic Keys

(For Manually Activating Silent and/or Audible Alarms)

Using Panic Keys

Your installer may have programmed your system to use special keys to manually activate panic functions. The functions that might be programmed are listed below. Ask your installer what function(s) are, or should be, programmed for your system.

ACTIVE PANIC FUNCTIONS

KEYS	ZONE	FUNCTION
1 and ✶	95	
3 and #	96	
✶ and #	99	

To use a paired-key panic alarm, simply press both keys of the assigned pair at the same time. If your keypad has lettered keys, they can be programmed by your installer to provide a single keystroke panic alarm. Refer to FUNCTION KEYS section for more information.

Types of Panic Alarms

A silent emergency sends an alarm signal to the alarm monitoring company†, but there are 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 are 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 external sounders (**FIRE** plus a zone number are also displayed).

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

Macro Key Programming

How to use a Macro Key (Speedkey)

The A, B, C, or D key can be used to activate a series of commands of up to 16 keystrokes. These keystrokes, as a group, are called macros and are stored in the system's memory.

Typical Speedkey functions include:

- Arming sequences that first involve bypassing certain zones before arming
- Seldom used but repeatable sequences
- Relay activation sequences.

What to include in a Macro program:

Over time you will realize that at certain times of the day you arm or disarm your security system in certain ways. For example, each night before going to bed, you turn off certain lights and arm the security system, leaving specific interior areas bypassed so that normal movement at night will not set off an alarm.

You could, therefore, have your installer program your "B" key to:

1. Turn off those certain lights and
2. Arm your security system in the NIGHT-STAY mode

Every night, all you would have to do is press your "B" key on the keypad, wait for the ENTER USER CODE prompt, and enter your 4-digit security code.

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. Ask 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: Press [7] [2] [9] [6] then press **#**, then press **7**, then enter the number representing the device you wish to activate. Ask your installer for the device numbers assigned for your system.

To Deactivate Devices

Enter security code, then press # + 8 + device number.

☐ ☐ ☐ ☐ + [#] + **8** + ☐

(Security Code) (Device Number)

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

Device	Device #/Description
1	
2	
3	
4	

Paging Feature

General Information

If the Paging feature has been programmed for your system, your pager will respond to certain conditions as they occur in your system. This message appears in a 7-digit format explained below. You can also send up to 16 additional digits that may consist of PIN numbers, messages, reminders, etc. These 16 digits are programmed by your installer and will appear before the standard 7-digit message.

The pager button, when pressed (if available), sends a special message to a pager and displays **Pager Msg sent** on the keypad for 30 seconds (on an alpha keypad). The message it sends is coded as 999-9999 and signifies ANY message the user and recipient have decided is appropriate.

Code Format

The 7-digit condition code that follows takes the following form:

SSS-00EE

SSS = 3-digit event code: 911 = Alarm
811 = Trouble
101 = Opening (disarm)
102 = Closing (arm AWAY)

00EE = The first 2 digits will always be 00. They are followed by the 2-digit user number or zone number, depending on the event code.

Examples

Pager displays: 911–0004 . This indicates that your system is reporting an alarm (911) due to a fault in zone 4 (04). **Alarm** and **trouble** codes are always followed by the zone numbers in which they occur.

Note: If special 250P1 function keys are used, reports other than those listed above are possible. They have settable codes between 750-789. Ask your installer if these codes have been enabled.

Security Codes

General Information

As an additional safety feature, other users who do not need to know your code can be assigned different security codes. These secondary users are identified by "user numbers," which you select when you assign a user's security code. You can assign up to 13 additional user codes (user numbers 03-15), including the temporary 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), except the temporary code, described below.

Temporary Code

This code can be used to arm and disarm the system. It is typically assigned to someone (such as a babysitter) who needs to arm/disarm the system only at certain times. The temporary code is assigned to user 14. The user of this code should **not** use the Quick Arming feature described later. This temporary code will automatically be removed when the Master code is entered.

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 operate normally, but can silently notify the alarm monitoring company of your situation, if that service has been provided. Duress code is assigned to user 15.

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, you can press the [#] key in place of the security code when arming the system. You must **always** use the the security code to disarm the system, however.

To Add a User or Change a User's Code

Important: Temporary users of the system (e.g., babysitter, cleaning staff) should not be shown how to use any system function they do not need to know, such as bypassing protection zones.

You must make sequential key depressions for all steps in a procedure within 2 seconds of one another (e.g., perform steps 1, 2, and 3 below with no delay between steps), or else the entire entry is aborted and must be repeated from its beginning.

1. [ ][ ][ ][ ] + [**8**]
   (Master Code)

   Enter 4-digit Master code, then press the [8] key.

   Example: Press [2] [0] [5] [9] then [**8**]

2. [ ][ ]
   (User Number)

   Enter user number.
   Enter the 2-digit user number (03-15) 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.

Changing the Master Code

Follow the procedure for changing a user's code, but enter user 02. Additionally, when changing the Master code, you must perform step 3 twice with the same user code entry so that the new Master code will be accepted by the system.

To Delete a User

1. □ □ □ □ + **8**
   (Master Code)

   Enter 4-digit Master code, then press the 8 key.

   Example: Press 2 0 5 9 then **8**

2. □ □
   (User Number)

   Enter user number.
   Enter the 2-digit user number (03-15) 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.

Using the [5] Key
TEST

The TEST key puts your system into a 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 this TEST mode.

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

1. `**** DISARM****`
   `READY TO ARM`

   Disarm the system.
   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.

2. [ ] [ ] [ ] [ ] + [5]
   (Security Code) **TEST**

   Enter 4-digit security code, then press TEST key.
   Example: Press [7] [2] [9] [6] then [5]

3. **Listen.**
   The external sounder should sound for 2 seconds 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. Walk in front of any interior motion detectors (if used) and listen for three beeps.

The keypad should display the identification of the detector when the detector is activated. The display will clear when no motion is detected. Note that if you are using wireless motion detectors, 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 keypad should display the identification of each detector when each is activated.

If you experience a problem with any protection point (no confirming sounds, no display), **CALL FOR SERVICE IMMEDIATELY.**

When you have checked (and closed, where necessary) all protection points, no zone identification numbers should be displayed on the keypad.

When you complete testing, exit the TEST mode by continuing with step 5.

5. ☐☐☐☐ + **1**
   (Security Code) **OFF**

Exit TEST mode.
Enter your security code and press the OFF key.

If you inadvertently leave the test mode active, it automatically turns off after approximately 4 hours.

NOTE: One of the special function keys (A, B, C, or D) may be programmed for a Communicator (dialer) Test. When the key is pressed, the system seizes the phone line and sends a test report to the monitoring station. This means that if a telephone conversation was going on between two people and the special function key was pressed (inadvertently or not), the connection will be terminated.

Typical Check Displays

The word **CHECK** on the keypad's display, accompanied by a rapid beeping at the keypad, indicates a trouble condition in the system. The displays in parentheses in the left column below may appear on non-alpha keypads when the associated trouble condition is present.

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

CHECK + Zone Descriptors

Indicates that a problem exists with those zone(s). First, determine why the zone(s) displayed are faulted (open window or door; open or shorted zone terminals; etc.) and correct the problem. If the zone(s) contain a wireless detector, check that changes in the room (moving furniture, televisions, etc.) are not blocking wireless signals to/from the detector. If the problem has been corrected, key an OFF sequence (enter the 4-digit security code, then press the OFF key) to clear the display.

A **CHECK** condition can also indicate a wiring problem (opens or shorts, for instance). 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.

NOTE: Zone 9 represents a problem with the wireless receiver or other system devices, which are not user-serviceable. **CALL FOR SERVICE IMMEDIATELY.**

Trouble Conditions (cont'd)

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 is accompanied by a trouble sound from the keypad and an external sounder. **CONTACT YOUR SERVICE COMPANY IMMEDIATELY**.

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

COMM. FAILURE (or **FC**)

Indicates that a failure has occurred in the telephone communication portion of your system. **CALL FOR SERVICE IMMEDIATELY.**

SYSTEM LO BAT (or **BAT** with no zone no.)

Indicates that a low system battery condition exists, and is accompanied by a once-per-minute beeping* at the keypad. **CALL FOR SERVICE IMMEDIATELY.**

*You can stop the beeping that accompanies a low-battery display by entering an OFF sequence (security code + OFF).

LO BAT + zone descriptor (or **BAT** with zone no.)

Indicates that a low-battery condition exists in the wireless transmitter** displayed, and is accompanied by a once-per-minute beeping at the keypad. **CALL FOR SERVICE IMMEDIATELY.**

** Not all systems use wireless transmitters.

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.

POWER indicator (if present) is off. **AC LOSS** is displayed.	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 IMMEDIATELY** if AC power cannot be restored to the system.
Busy-Standby (or **dI**)	If this remains displayed for more than 1 minute, system is disabled. **CALL FOR SERVICE IMMEDIATELY.**
OPEN CIRCUIT (or **OC**)	The keypad is not receiving signals from the control. **CALL FOR SERVICE AT ONCE.**
Long Rng Trbl (or **bF**)	If programmed, backup Long Range Radio communication has failed. **CALL FOR SERVICE IMMEDIATELY.**
Bell failure (or **CHECK 70**)	Bell/Siren supervision failure. **CALL FOR SERVICE IMMEDIATELY.**
RF Jam (or **Check 90**)	If enabled and a Receiver Jam is detected, a report will be sent to the monitoring station and at the same time a **Rcvr Jam** message will toggle with the present display on the alpha keypad. When the jam condition is cleared, a Restore message is sent to the monitoring station. To clear the keypad display, enter your 4-digit code and **1** (OFF) key.

Fire Alarm System
(If Installed)

General Information

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. Optional exterior sounders will also produce an interrupted sound. Your keypad will display a **FIRE** message (with zone location) 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 it 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 keypad will display the zone descriptor of the zone(s) in an alarm condition.

Silencing a Fire Alarm

1. Silence the alarm by pressing the **1** (OFF) key.

   To clear the alarm display, enter your security code and press the **1** (OFF) key again.

2. If the keypad indicates a trouble condition after the second OFF sequence, check smoke detectors to see if they are 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 **1** (OFF) key.

Recommendations for Proper Protection

THE FOLLOWING RECOMMENDATIONS FOR THE LOCATION OF FIRE AND BURGLARY DETECTION DEVICES HELP PROVIDE PROPER COVERAGE FOR THE PROTECTED PREMISES.

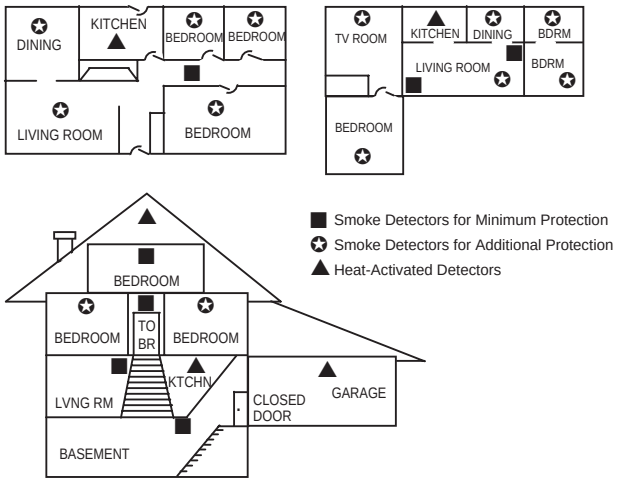
Recommendations for Smoke and Heat Detectors

With regard to the number and placement of smoke/heat detectors, we subscribe to the recommendations contained in the National Fire Protection Association's (NFPA) Standard #72, noted below.

> Early-warning fire detection is best achieved by the installation of fire detection equipment in all rooms and areas of the household as follows: For minimum protection, a smoke detector should be installed outside of each separate sleeping area, and on each additional floor of a multi-floor family living unit, including basements. The installation of smoke detectors in kitchens, attics (finished or unfinished), or in garages is not normally recommended.

For additional protection, 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.

Recommendations for Proper Protection *(cont'd)*



In addition, we recommend the following:

- Install a smoke detector inside every bedroom where a smoker sleeps.
- Install a smoke detector inside every bedroom where someone sleeps with the door partly or completely closed. Smoke could be blocked by the closed door. Also, an alarm in the hallway outside may not wake up the sleeper if the door is closed.
- Install a smoke detector inside bedrooms where electrical appliances (such as portable heaters, air conditioners, or humidifiers) are used.
- Install a smoke detector at both ends of a hallway if the hallway is more than 40 feet (12 meters) long.
- Install smoke detectors in any room where an alarm control is located, or in any room where alarm control connections to an AC source or phone lines are made. If detectors are not so located, a fire within the room could prevent the control from reporting a fire or an intrusion.

Recommendations for Proper Protection (cont'd)

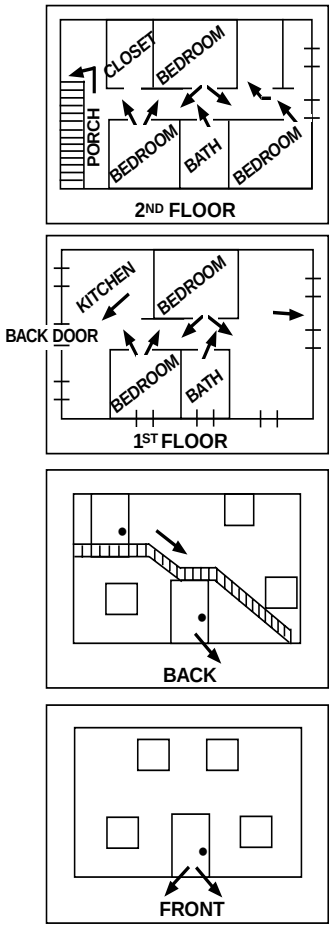
Recommendations for Proper Intrusion Protection

For proper intrusion coverage, sensors should be located at every possible point of entry to a home or commercial premises. This includes skylights and upper windows in a multi-level building.

In addition, we recommend that radio backup be used in a security system so that alarm signals can still be sent to the alarm monitoring station in the event that the telephone lines are out of order (alarm signals are normally sent over the phone lines, if connected to an alarm monitoring station).

Emergency Evacuation

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 route, such as a window, should your primary escape path be impassable. 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. To determine which escape path to use during a fire, first feel the door. If it 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. Where smoke is present, crawl on the floor; do not walk upright. Smoke rises and may overcome you. Clearer air is near the floor.
7. Escape quickly; don't panic.
8. Establish a common meeting 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.

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*** section).

Replacing Batteries in Wireless Sensors

Wireless sensors may not have been installed 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. (The system detects a low battery in a portable wireless keypad as soon as one of its keys is pressed, and responds be displaying **00** on the wired keypad.)

Alkaline batteries provide a minimum of 1 year of operation, and in most units and applications, provide 2–4 years of service. Three-volt lithium batteries provide up to 4 or more years of operation. Actual battery life depends on the environment in which the sensor is used, the number of signals that the transmitter in the sensor has to send, and the specific type of sensor. Factors such as humidity, high or low temperatures, or large swings 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, the keypad displays a **LOW BATTERY** message. In addition, a battery-operated smoke detector with a low battery 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 the indicated sensor(s) is due within 30 days. In the meantime, the sensor causing the low-battery indication is still fully operational.

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

Silencing Low Battery Warning Tones at the Keypad

You can silence the keypad's warning tones by pressing the [1 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 is not ready.
Arm System	Enter code or press # Press arming key desired (AWAY, NIGHT-STAY*, STAY, INSTANT, MAXIMUM) * Press STAY twice in rapid succession to arm NIGHT-STAY	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 [6] Enter zone numbers to be bypassed (use 2-digit entries)	Do this to bypass protection zones. Bypassed zones are unprotected and will not cause an alarm if violated.
Quick Bypass	Enter code Press [6] and stop	Do this to bypass all faulted zones automatically, if programmed.
Chime Mode ON	Enter code Press CHIME [9]	Do this to turn on CHIME mode. Keypad will sound if doors or windows are violated while system is disarmed.
Chime Mode OFF	Enter code Press CHIME [9]	Do this to turn CHIME mode off.
Test Mode ON	Enter code Press [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.
Add or Change a User	Enter Master code Press [8] key 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 [8] key Enter user number to be deleted	Do this to delete a user code from the system.
Change a Master Code	Enter Master code Press [8] key 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 Notification
(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 ZONE c. BYPASS VERIFY	a. **SYSTEM READY** 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: **ZONE BYPASSED SYSTEM READY.**
ONE SHORT BEEP (once every 40 seconds) Keypad only	SYSTEM IS IN TEST MODE	Opened zone identifications will appear.
ONE BEEP (once every 40 seconds) Keypad only	LOW BATTERY AT A TRANSMITTER	**LO BAT** displayed with description of transmitter.
TWO SHORT BEEPS Keypad only	ARM AWAY OR MAXIMUM	**ARMED AWAY** or **ARMED MAXIMUM** displayed. Red ARMED indicator 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** displayed. Red ARMED indicator lit. b. **CHIME** displayed, descriptor of open protection zone displayed if the [✶] key is pressed.
RAPID BEEPING Keypad only	a. TROUBLE b. MEMORY OF ALARM c. BELL FAILURE d. SYSTEM LOW BATTERY	a. **CHECK** displayed; descriptor of troubled protection zone is displayed. b. **FIRE** or **ALARM** is displayed; descriptor of zone in alarm is displayed. c. **BELL FAILURE** or **CHECK 70** is displayed. d. **SYSTEM LO BAT** or **BAT** 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**.**

* If a bell is used as external sounder, fire alarm is *pulsed ring;* burglary/audible emergency is *steady ring.*

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 re-armed 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 and disarming of the system, and perform other functions described in this manual.

ZONE: A specific area of protection.

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 authorized 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 “Entry/exit delays.”

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.

UL NOTICE: This is a "GRADE A" system.

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.

This equipment is hearing-aid compatible.

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.

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 detect intrusion only 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.

WARNING!
THE LIMITATIONS OF THIS ALARM SYSTEM (cont'd)

- 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 by 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.

SERVICING INFORMATION

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

Your local PROTECTION ONE Alarm dealer is:

Name: _____

Address: _____

_____

Phone:_____

NOTES

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.: _____

VISTA-20BAY 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. _____

Monitoring Station ☐

Name: _____

Address: _____

Phone: _____

C. POWERED BY: AC With Rechargeable Power Supply

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

continued on other side

OWNER'S INSURANCE PREMIUM CREDIT REQUEST
(cont'd)

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: _____

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