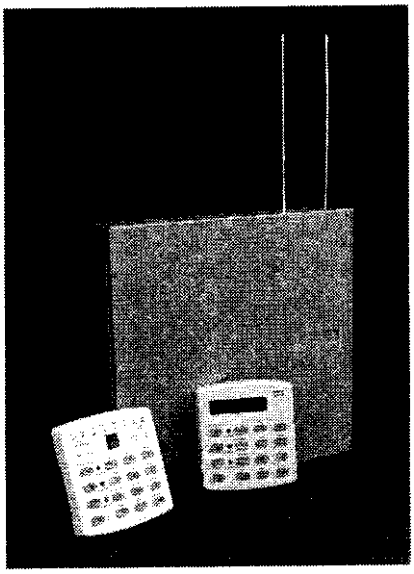
INSTALLATION AND OWNERS MANUAL

Because of the size, This exhibit does not contain installation and user manual herein but rather, copies of each accompany this application.



# *User's Guide*

466-1513 Rev. A Field Alpha Test

# User's Guide

# SECTION 1: GETTING TO KNOW YOUR SECURITY SYSTEM

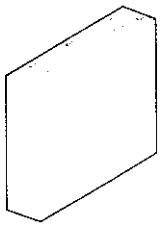
This security system is designed to protect your family and property, whether you are on the premises or away.

This manual describes how to operate your system. It describes basic arming and disarming commands as well programming instructions for system features.

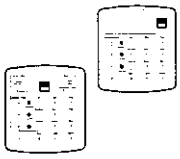
The dealer or installer may have already discussed with you many details concerning your system. Specific setup information is included in the User Sheet, found in Appendix A.

## Overview

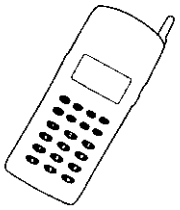
Your security system is comprised of different components. Each component has a specialized role to play in system operation:



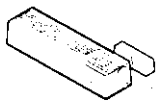
The **panel** sends alarm and trouble reports to the central station. The panel's circuitry is enclosed in a steel cabinet and installed out of the way of household or workplace traffic.



You'll communicate with your panel by using a touchpad. You'll use a touchpad to arm, disarm, and program your system.



If your panel is equipped with a Phone Interface and Voice Module, you can use a Touchtone phone located on- or off-site as a touchpad. The module enables voice feedback from phones or speakers, guiding and informing with spoken commands and system status reports.

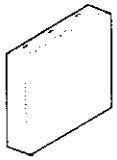


**Door and window sensors** protect the perimeter of your home by alerting the panel when a door or window is opened.

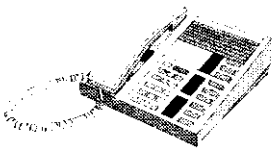
**Motion detectors** in hallways or individual rooms detect a person moving across the field of detection.

**Smoke** and **heat detectors** remain alert for the presence of fire 24 hours a day.
Other **environmental sensors** detect freezing temperatures or carbon monoxide.

A sensor is activated.



The sensor immediately alerts the panel.



The panel:
- calls the central monitoring station, and/or
- activates sirens and lights.

This decision is based on system programming and the current arming level.

The central monitoring station operator reports the alarm to the police and/or fire department.

## System Features

In addition to protecting your family and property, this system can be set up to perform a number of other functions.

Some features can be programmed by you, the user, while others must be programmed by the installer. Following is a list of feature descriptions:

### *User Code Capacity*

In addition to one System Master code and two Partition Master codes, you can assign up to 60 user codes for system arming and disarming.

The installer can assign varying authority attributes to the different codes as you specify.

### *Touchpad Variety*

You can use a wide variety of hardwired or wireless touchpads to arm, disarm, and program your security system:

- Alphanumeric touchpads, containing over 250 words of touchpad text.
- LED touchpads, displaying the status of the system through the use of lights.
- Wireless touchpads, allowing users to operate the system inside or outside the premises.
- Touchtone phones, allowing you to access your system from on-site or remotely, and receive a spoken system status. When a Touchtone phone is used for system operation, spoken prompts guide the user through the process. To use a Touchtone phone to operate the system, a Phone Interface and Voice Module must be installed.
- Keychain touchpads for handy, simple arming/disarming functions. The installer can program specific buttons on a keychain touchpad to operate a garage door or gate.
- Panic button touchpads, dedicated to sending only one signal. The signal could be one that the panel recognizes as a panic signal, or, the panel could be programmed to recognize the signal as a request to perform some other function.

### *On-site and Remote Telephone Control*

The panel can accept commands by Touchtone phone for on-site or remote operation. This requires a Phone Interface and Voice Module. See Section 20 for instructions on using a phone to operate your system.

### *Extensive Paging Capability*

Your system can call up to 5 different pager numbers to report specific events, such as Latchkey Paging and Notify by Exception.

### *Latchkey Paging*

This feature allows a programmed pagerholder to be notified when specific user codes arm or disarm the system during specific hours.

### *Notify by Exception*

This feature allows a programmed pagerholder to be notified when arming or disarming does *not* happen within a scheduled time frame. For example, if an employee does *not* disarm the shop by 8:00 a.m.

### *Light Control*

The installer can use lamp modules to incorporate interior and exterior lights into the security system. These lights are turned on automatically in emergency situations. The lights can also be controlled by touchpad or by time schedule.

### *Energy Saver Option*

Turning on the Energy Saver feature allows you to override your normal heating and air conditioning settings. The more efficient Energy Saver temperature settings are user-programmable.

### *Silent Arming*

Use the Silent Arming feature to arm or disarm your system without disturbing people with status and exit beeps.

### *Easy Dealer Downloading*

Enabling this feature allows your dealer remote access to the panel through the phone lines in order to update your account, back up data from your panel, and quickly implement requested programming changes.

Downloading is performed by your dealer using software specifically designed for this panel. Only the user can turn Dealer Downloading on or off.

### *Accommodates Expansion*

Components can be added to the system easily as your needs grow. This panel supports a wide variety of expansion modules.

### *Partitioning Capability—Two Systems in One*

The panel can be set up by your installer to operate as a *two-partitioned system*. This means that one panel operates like two separate security panels with two separate sets of user codes, time schedules, touchpads, and phone options.

### *The Touchpad Tamper Feature*

The installer can program your system to send a Police alarm in the case of possible touchpad tampering.

If more than 40 keys are pressed when the system asks for a code, and those keystrokes are not part of a valid access code, a police siren will sound.

# SECTION 2: COMMUNICATING WITH THE PANEL

Communication between you and the panel occurs largely through the use of touchpads. Touchpads take many different forms, from a single-button panic sensor to an alphanumeric touchpad that displays system responses using text. A Touchtone phone can serve as a touchpad when a Phone Interface and Voice Module is installed at the panel.

Table 1 lists all of the touchpads available to the panel.

If you do not complete a step within 60 seconds, your system exits the programming mode.

## Instructing the Panel

Most of your instructions to the panel consist of this basic pattern:

COMMAND + ACCESS CODE

Advanced features, while involving more keystrokes, depend on this structure as well.

### *Commands*

*You* tell your system what you want it to do by entering commands at a touchpad. Table 1 indicates which touchpads are capable of system programming and which should be used for basic arming and disarming functions.

### *Access Codes—The Key to Your System*

Not just anyone can walk up to a touchpad and operate your security system. Before the system will process any command, users are required to enter a pre-programmed 4-digit access code. Keychain touchpads that are enrolled as part of the system do not require an access code, but are usually kept in an individual's pocket or purse.

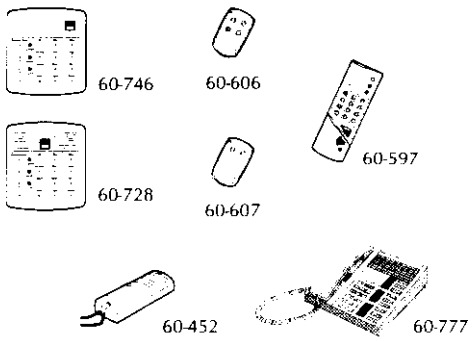
If you would rather use an actual key to arm and disarm the system, your security dealer can install a special *key and keyswitch* in your home.

## How the Panel Responds

Your system communicates with you both audibly and visually.

Depending on the equipment in your system and current conditions, you may expect to hear status beeps from touchpads, emergency tones from sirens, and voice feedback from Touchtone phones and speakers if a Phone Interface and Voice module is installed. You may see scrolling text on alphanumeric touchpads, flashing lights on LED touchpads, and system information on pagers.

**Table 1. What Your Touchpad Can Do**




| | **2-Line SuperBus 2x16 LCD Alphanumeric** *60-746* | **SuperBus 8Z LED Touchpad** *60-728* | **Hi-Tech Wireless Touchpad** *60-597* | **Keychain Touchpads** *60-606, 60-607* | **Water Resistant Panic Sensor** *60-587* **Pendant Panic Sensor** *60-452* **Double- or Single-Button Panic Sensor** *60-457-10-319.5* or *60-458* | **Touchtone Phone (PIV Module)** |
|---|---|---|---|---|---|---|
| Arm and disarm the system. | ✔ | ✔ | ✔ | ✔ | | ✔ |
| Give voice feedback. | | | | | | ✔ |
| Sound status beep feedback. | ✔ | ✔ | ✔ | | | ✔ |
| Bypass sensors when arming. | ✔ | ✔ | ✔ | | | ✔ |
| Send a Fire Panic alarm. | ✔ | ✔ | | ✔ | ✔ | ✔ |
| Send a Police or Auxiliary Panic alarm. | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| Cancel an accidental alarm. | ✔ | ✔ | ✔ | ✔ | | ✔ |
| Perform a system test. | ✔ | ✔ | ✔ | | | ✔ |
| Perform a phone test. | ✔ | ✔ | ✔ | | | ✔ |
| | ✔ | | | | | ✔ |
| User programming:<br>– Assign and change user codes.<br>– Set the time and date.<br>– Set up time schedules.<br>– Set up the Latchkey Paging feature.<br>– Set up the Notify by Exception feature.<br>- Set up light control features.<br>– Change brightness on touchpads.<br>– Change volume of voice on touchpads. | ✔ | | | | | ✔ |

## Numeric Paging

Your system can notify up to five different pager numbers to report events. The installer can program any pager to receive pages for one or more of the following groups:

- High Level Reports, which includes the following reports:
  - Sensor alarms
  - Tamper
  - Restorals
  - Phone test
  - Receiver failure
  - Receiver jam
  - Touchpad tamper
  - Bus failures
  - Freeze alarms
  - Freeze troubles
  - No activity alarm
  - Fire panic
  - Police panic
  - Auxiliary panic
  - Duress alarm
- Low Level Reports, which includes the following reports:
  - Bypass sensors
  - Low battery
  - Supervisory
  - Trouble
  - Phone test
  - Supervisory
  - Touchpad low battery
  - AC power fail
  - CPU low battery
  - Auto phone test
  - CPU back in service
  - Phone failure
  - Event buffer full
- Opening and Closing reports
- Reports generated by the Latchkey feature
- Reports generated by the Notify by Exception feature

### *Pager Codes*

The system sends its messages to numeric pagers using the codes listed in Table 2.

**Table 2. Pager Messages**

| Code | What it Means |
|---|---|
| 111 | Panel Disarmed |
| 222 | Arm to Stay |
| 333 | Arm to Away |
| 118 | Trouble Restoral |
| 119 | Alarm Cancel |
| 555 | Phone Test |
| 888 | Trouble |
| 999 | Alarm |

### *Streamlining the Page Report*

You can choose to have the account number reported with every page, or to exclude it. Each partition has its own account number, so seeing the account number is useful if multiple partitions are reporting to one pager.

Ask your dealer or installer if you would like the Streamline feature turned on.

Pager with Streamline feature turned off:


Event code

Account number that central station uses

Sensor number or user number

Pager with Streamline feature turned on:

# SECTION 3: PREVENTING ACCIDENTAL ALARMS

Your security system is engineered with advanced technology that eliminates accidental alarms caused by technical problems. In wireless systems, this technology prevents other devices, such as garage door openers, ham radios, television remote controls, and cellular phones, from interfering with your security system.

Most accidental alarms occur when leaving the house after arming the system, or upon returning, before disarming the system.

If, for example, you arm the system, then run upstairs for something you forgot, the Exit Delay time may expire. Once the Exit Delay expires, opening an armed door or moving in front of a motion detector will cause an alarm.

## Cancelling Accidental Alarms

You can cancel most accidental alarms if the installer has turned on the Dialer Delay feature.

Cancelling the alarm within 15 seconds will silence the siren and prevent the alarm from being reported to the central monitoring station.

Cancelling a fire panic alarm will silence the siren, but fire panic alarms are *always* reported. If an accidental fire alarm has sounded, follow the procedures of your central monitoring station to prevent a false dispatch.

**To cancel an alarm:**

1. Press [1]–OFF at any touchpad.
   - Alphanumeric touchpads display, "ENTER CODE."
   - On LED touchpads, the *Enter Code* light blinks.

### *Guidelines*

Following these guidelines will go a long way toward preventing accidental alarms.

- Close doors and windows before you leave your house.
- When getting ready to leave the house, gather the things you want to take with you so you can exit immediately after arming the system.
- Always enter and exit within the programmed delay times.
- Make sure you leave through a door that has a delay time set for it. If you arm your system, then leave through a door without a delay time, an alarm will immediately sound.
- When you return, immediately disarm your system.
- Be aware of the devices in your security system and learn how each one operates.
- Listen to system beeps and voice announcements. Take note of indicator lights and touchpad messages which indicate the system's current status.
- If you have pets, ask your installer if you need pet lenses in your motion detectors. Pets climb higher than you may guess, causing alarms when you are away.
- Check the location of your smoke detectors. Smoke detectors near bathrooms can be tripped by steam from a shower. Smoke detectors near the kitchen can be tripped by cooking smoke.

**Refer to the User Sheet in Appendix A to determine what the specific settings are for your system.**

2. Enter your access code.
   - Alphanumeric touchpads display, date and time, or programmed text.
   - On LED touchpads, the *Enter Code* light stops blinking.
3. The system sounds one long beep.

If you're using a Touchtone phone, see Section 20.

## Smoke Alarm Verification

If your system uses hardwired smoke detectors, there is a way that it can weed out most false smoke alarms. The installer can program the system so that two smoke alarm signals are required within 5 minutes before the system reports the alarm to the central station.

### *Quick Arming*

Enabling the Quick Arm feature allows you to arm your system without using an access code. You will still need to enter an access code to disarm the system.


From Level 1—OFF, simply press 2 for Level 2—STAY.

From Level 1 or 2, press 3 for Level 3—AWAY.

# SECTION 4: BASIC SYSTEM OPERATIONS

This section describes how to:

- Arm your system.
- Activate and cancel panic alarms.
- Check the status of your system.

See Section 20 for instructions on using a Touchtone to operate your system.

## Arming Your System

Since your security needs may vary throughout the day, this system was designed with three arming levels to meet these different needs. By arming your system to a particular level, only those sensors programmed to detect in that arming level will report alarm conditions to the panel.

No matter which level your system is in, all sensors programmed to be active 24 hours a day will continue to report alarm conditions. This includes smoke detectors, fire sensors, panic buttons, and environmental sensors.

**Level 3**
**AWAY**

**Level 2**
**STAY**

**Level 1**
**OFF**

**Smoke detectors, fire sensors, and other environmental sensors continue to report alarms in all levels.**

## *Arming Level 1—OFF*

Use arming Level 1 when the system is not being used for intrusion detection. For example, on an active Saturday morning—kids playing inside and out, someone working in the garage, various house projects going on.

Even though Arming Level 1 disarms the system, your system continues to monitor fire, smoke, and panic alarms.

Here are some other situations in which you'd set the system to Level 1—OFF:

**Upon entering the armed premises.** When entering the armed premises through a designated delay door, the entry delay time begins and sirens beep to remind you to disarm the system.

**Before opening a door or window while inside or outside the armed premises.** When you wake up in the morning and want to get your newspaper, you must disarm the system before opening the door to prevent an accidental alarm.

**To stop sirens and cancel an alarm.** When a Fire, Police (intrusion), or Auxiliary alarm occurs, disarming the system turns off sirens. If the system is disarmed within the first 15 seconds of an intrusion or auxiliary alarm, the report to the central monitoring station is canceled.

**To disarm to Level 1—OFF using a touchpad:**

1. Press [1]—OFF at any touchpad.
   - Alphanumeric touchpads display, "ENTER CODE."
   - On LED touchpads, *Enter Code* blinks.
2. Enter your access code.
   - Alphanumeric touchpads display, date and time, or programmed text.
   - On LED touchpads, *Enter Code* stops blinking.
3. The system sounds one long beep.

If you're using a Touchtone phone, see Section 20.

**To disarm to Level 1—OFF using a keychain touchpad:**

- Press the Unlock button.

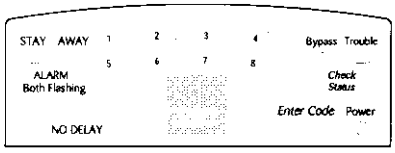
Your installer can set up your keychain touchpad to either increase the arming level each time the Lock button is pressed (Level 1 –> Level 2, Level 2 –> Level 3) or to arm directly to Level 3 with no Exit or Entry delay.

## *Arming Level 2—STAY*

There are times when you want intrusion protection, but still want the freedom to move around within your house without setting off an alarm. For example, in the evening when your family is inside for the night. In this and similar situations, set your system to 2—STAY.

**To arm to Level 2—STAY using a touchpad:**

1. Close all perimeter doors and windows.
2. Press [2]—STAY at any touchpad.
   - Alphanumeric touchpads display, "ENTER CODE."
   - On LED touchpads, *Enter Code* blinks.
3. Enter your access code.
   - Alphanumeric touchpads display, "ARMED TO STAY," or programmed text.
   - On LED touchpads, *STAY* lights up:




4. The system sounds two short beeps.
5. If leaving the premises, exit through a designated delay door immediately.

If you're using a Touchtone phone, see Section 20.

**To arm to Level 2—STAY using a keychain touchpad:**

- Press the Lock button.

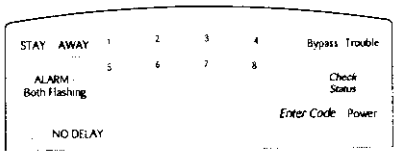
### *Arming Level 3–AWAY*

At other times, you want every sensor to be alert: when the family goes on vacation, or at closing time.

In this and similar situations, set your system to 3–AWAY for maximum protection. All sensors are active–perimeter door and window sensors, and interior motion detectors.

**To arm to Level 3–AWAY using a touchpad:**

1. Close all perimeter doors and windows.
2. Press [3]–AWAY at any touchpad.
   - Alphanumeric touchpads display, "ENTER CODE."
   - On LED touchpads, *Enter Code* blinks.
3. Enter your access code.
   - Alphanumeric touchpads display, "ARMED TO AWAY," or programmed text.
   - On LED touchpads, *AWAY* lights up:




4. The system sounds three short beeps.
5. Exit through a designated delay door immediately.

**To arm to Level 3–AWAY using a keychain touchpad:**

- Press the Lock button twice to go from Level 1 to Level 3, or once to go from Level 2 to Level 3.

## Exit and Entry Delay Times

After arming your system, you need time to exit the building so you won't set off an alarm. Likewise, upon returning to your home or business, you'll need enough time to open the door and get to a touchpad to disarm the system.

- The *Exit Delay* is a period of time long enough to let you leave through a designated delay door after arming the system.
- The *Entry Delay* is a period of time long enough to let you unlock a designated delay door and get to a touchpad to disarm the system.

### *Exit Delay Example*

Here's an example of the Exit Delay in action: You're going on an errand. You are inside your house and have just armed the system to 3–AWAY. The interior sirens and speakers sound three beeps, telling you that the system accepted the command and has started the Exit Delay time. During the Exit Delay time, the system sounds one short beep every 4 seconds. You must leave through the designated delay door before you hear three more beeps, indicating the Exit Delay time has ended.

### *Entry Delay Example*

Here's an example of the Entry Delay in action: You are returning to your house that is armed to Level 3–AWAY. When you unlock and enter the designated delay door, the interior sirens and speaker sound two short beeps every two seconds. This tells you that the Entry Delay time has begun and reminds you to disarm the system to avoid setting off an alarm.

Your installer will work with you to decide which door(s) should be delay door(s), and determine the delay times that will work best for you and your family. Then, the installer will program the Exit and Entry Delay times into your system.

## Extended Delay

In some situations, additional time is needed to arm or disarm the system beyond the Exit and Entry Delay settings. In these instances, the installer can program an Extended Delay time, giving you as much as 9 additional minutes to arm or disarm the system before setting off an alarm.

Refer to the User Sheet to determine if there is an Extended Delay for your delay door(s). If there is, add that to the Entry and Exit Delay times to determine the actual delay times you have.

## No Delay—For Instant Alarm

You can choose to turn off the Entry and Exit Delays, causing the delay doors to arm immediately. Anyone entering the house through the delay door when the system is set to No Delay would immediately cause an alarm.

No Delay is normally used:

- When you're staying at home (Level 2—STAY), after you've armed the system.
- When you're arming your house from the outside (Level 3—AWAY), using a wireless touchpad, and you're the last one to leave.

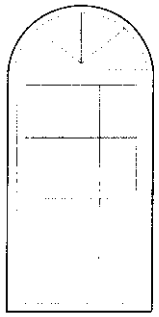
You can use a Touchtone phone to arm the system to Level 2 or 3 with No Delay if a Phone Interface and Voice Module is installed at the panel. See Section 20 for instructions on using a phone to operate your system.

**Arming to Level 2 or 3 with No Delay, using a touchpad:**

1. Close all perimeter doors and windows.
2. Exit the premises if arming to 3—AWAY.
3. Enter:
   [2] + [C][O][D][E] *or* [3] + [C][O][D][E].
   The system sounds two or three short beeps.
4. Immediately after hearing the beeps, press [4] for No Delay.

Changing the arming level will restore delay doors to their normal Exit and Entry Delay times.

## Arming While a Door or Window is Open



It is possible to arm your system while leaving a door or window open. This is useful if, for example, you like to sleep at night with the window open.

If the door or window has a sensor installed on it, the system must be told to ignore, or *bypass*, that sensor when it's open. All other sensors will remain active.

> Remember—when a sensor is bypassed, whether door, window, or motion detector, it cannot protect that area.

There are two methods for bypassing a sensor:

**Directly** → After doors/windows are closed and the system is armed, one by one, specific sensors are bypassed. You must know the sensor number you wish to bypass.

**Indirectly** → The system is armed with one or more doors/windows open. The system sends protest beeps. Pressing BYPASS arms the system and bypasses all open intrusion sensors. This method should not be used in UL-listed installations.

You can use a Touchtone phone to bypass sensors if a Phone Interface and Voice Module is installed at the panel. See Section 20 for instructions on using a phone to bypass sensors.

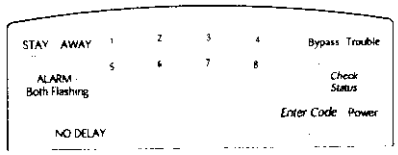
### *Bypassing a Sensor Directly*

Use this method if the system is armed and you would like to open a window without disarming.

Refer to the User Sheet in Appendix A to determine what the sensor number is for the door, window, or motion detector you wish to bypass.

**To bypass sensors *directly* using an alphanumeric or LED touchpad:***

1. Close all doors and windows.
2. Arm your system to the desired level.
3. At any touchpad:
   Enter BYPASS + [C][O][D][E] + *sensor number.*
   - Alphanumeric touchpads display, "BYPASSED."
   - On LED touchpads, *Bypass* lights up:




   If the touchpad displays "INVALID" or *Bypass* does not light, make sure that you entered a valid sensor number. Heat and smoke sensors cannot be bypassed.
4. Bypass other sensors, if necessary, by repeating Step 3.
5. The bypassed door or window can now be opened.

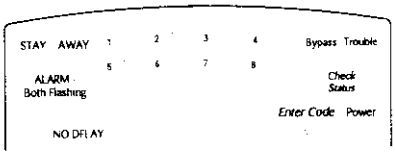
* You cannot bypass sensors directly using a keychain touchpad.

## *Bypassing a Sensor Indirectly*

Use this method if you are arming the system and would like to bypass door and windows already open.

**To bypass sensors *indirectly* using an alphanumeric or LED touchpad:**

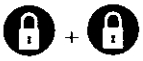
1. Leave open only those doors/windows that are to remain open. Close all others.
2. Arm your system to the desired level. The touchpad will emit protest beeps because of the open sensor(s). Bypassing must be done within the Exit Delay time.
3. At any touchpad:
   Enter BYPASS + [C][O][D][E].
   - Alphanumeric touchpads display, "BYPASSED."
   - On LED touchpads, *Bypass* lights up:




   If the touchpad displays "INVALID" or *Bypass* does not light, make sure that you entered a valid sensor number. Certain sensors—heat and smoke sensors, for example—cannot be bypassed.
4. The touchpad displays "BYPASSED" when the sensor has been successfully bypassed.

**To bypass sensors indirectly using a keychain touchpad:**

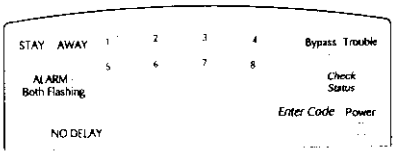
- Press the STAR button once to arm the system and again to bypass open sensors:



## *Was the Bypass Successful?*

The method you'll use to confirm that a sensor was bypassed successfully, depends on the type of touchpad you're using:

- On alphanumeric touchpads, press the STATUS button to scroll through the list of bypassed sensors.
- On LED touchpads, press the BYPASS button after *Bypass* is lit. The touchpad will light those bypassed sensors briefly, then go out.




# Checking the Status of Your System

Checking the system status means finding out about the current condition of your system. This includes finding out if any sensors are currently bypassed, whether or not the AC power and backup battery are okay, the nature of the most recent alarm, and more, depending on the features in use and the equipment in your system.

You can choose to get a Short Status and Full Status using an alphanumeric touchpad, LED touchpad, or Touchtone phone if a Phone Interface and Voice Module is installed at the panel.

Check the system status if:

- Your system sounds trouble beeps (five ***short*** beeps every minute).
- Alphanumeric touchpads display a blinking asterisk.
- *Trouble* is lit on an LED touchpad.

### *Short System Status*

A Short Status indicates the current arming level, sensor status (whether open or bypassed), low battery, or supervisory, AC power or backup battery failures.

**To get a Short Status using an alphanumeric touchpad:**

- Press [*] (STATUS button).
  Interior sirens sound beeps according to the current arming level. Alphanumeric touchpads display the status information, for example: *"SENSOR O2 OPEN."*

When an alarm condition is stored in the alarm memory, it will be displayed on an alphanumeric touchpad the first time you perform a Short or Full Status check. Performing a system status check a second time will display the system status including any trouble conditions.

If any alarm or system trouble is active, status checks will show it until the system is disarmed.

### *Full System Status*

A Full Status combines the Short Status information with added details about temperature and specific system features.

**To get a Full Status using a touchpad:**

- Press [*] + [*].
  Interior sirens sound beeps according to the current arming level. Alphanumeric touchpads display the status information, for example, "SENSOR 03 BYPASSED," "SYSTEM BATTERY IS OK," "AC POWER IS OK," "TEMPERATURE 72 DEGREES."

## SECTION 5: USING PANIC ALARMS

Panic alarms are easily activated from any touchpad to quickly alert the central monitoring station to a fire, police, or auxiliary emergency. A panic alarm can be sent at any time, regardless of the current arming level: 1–OFF, 2–STAY, or 3–AWAY.

This system is designed to inform the central monitoring station of the nature of the emergency so the correct personnel can be dispatched immediately.

All panic alarms call the central monitoring station, but each sounds and reacts differently when activated.

The order of alarm priority (high to low) is as follows: Fire, Police, and Auxiliary. A higher priority alarm will cause the lower priority alarm sound to change.

See Section 20 for instructions on using a phone to operate your system.

### Fire Panic

The Fire Panic alarm is a standard Tem 3 pattern, sounding from all interior and exterior sirens. It alerts everyone in your home or office, as well as neighbors, to the current fire danger. The central monitoring station responds by calling the fire department.

**To activate a Fire Panic alarm from a touchpad:**

- Press and hold both FIRE buttons for 2 seconds.

**To cancel a Fire Panic alarm from a touchpad:**

- Press [1] + [C][O][D][E].

### Police Panic Alarm

The Police Panic alarm is a loud, steady tone from interior and exterior sirens that scares off an intruder and alerts neighbors to the trouble. On monitored systems, the central monitoring station responds by calling the police.

**To send a Police Panic alarm using a touchpad:**

- Press and hold the POLICE button(s) for 2 seconds.

**To cancel a Police Panic alarm from a touchpad:**

- Press [1] + [C][O][D][E].

## Auxiliary Panic Alarm

The Auxiliary Panic alarm is a fast on-off-on-off sound from interior sirens only, signaling a medical or other type of emergency. The central monitoring station responds by calling the service or agency, (an ambulance service, for instance) you have designated.

**To activate an Auxiliary Panic alarm from a touchpad:**

- Press and hold the AUXILIARY button(s) for 2 seconds.

**To cancel an Auxiliary Panic alarm from a touchpad:**

- Press [1] + [C][O][D][E].

## Panic Alarms and Keychain Touchpads

Keychain touchpads may be configured to send a Panic alarm when activated in one of two ways:

**To activate a Panic alarm from a keychain touchpad, either:**

- Press and hold the Lock and Unlock buttons at the same time for 2 seconds.

*or,*

- Press and hold the Lights and Star buttons at the same time for 2 seconds.

See the User Sheet in Appendix A to determine the setup for each of your keychain touchpads.

# SECTION 6: ADJUSTING SYSTEM SOUNDS AND TOUCHPAD BRIGHTNESS

## Arming Your System Silently

Use the Silent Arming feature to arm your system without disturbing people throughout the house with status beeps. There are two methods for implementing Silent Arming:

- Arming is always silent (Silent Arming feature on).
- Arming is silent on demand (press [5] first before arming).

### *Arming Always Silent*

Turning this feature on will always silence arming status beeps from touchpads and interior speakers.

**To enable Silent Arming:**

1. Press [9] + [C][O][D][E] (System Master or Partition Master code).
2. On an alphanumeric touchpad, press [B] until the touchpad displays "OPTIONS," then press [#].
3. Press [B] until the touchpad displays "SILENT ARMING OFF," for example.
4. Enter [2] to turn the feature on, preventing system status beeps while arming; or, enter [1] to turn the feature off, allowing system arming beeps from touchpads and speakers.
5. Press [#] to secure your choice.
6. Press [*] + [7] + [#] to exit user programming.

### *Arming Silent on Demand*

If the Silent Arming feature is turned off, you can still silence arming status beeps on demand.

**To use Silent Arming on demand:**

1. From any touchpad, press [5].
2. Within 4 seconds enter: [2] + [C][O][D][E] *or* [3] + [C][O][D][E]. Alphanumeric touchpads display, "SILENT ARM ON" for 5 seconds before displaying the arming level.

## Using the Chime Feature

The Chime feature is like having a doorbell on every protected door and window.

The Chime feature works only in Level 1—OFF. Whenever anyone enters or exits a protected door, sirens and speakers emit a chime sound that lets you know someone has entered or exited the premises.

**To turn Chime on/off using a touchpad:**

- Press [7] + [1].
  While the Chime feature is on, the display on alphanumeric touchpads includes, "CHIME IS ON."

## Using the Voice Chime Feature

You can have speakers announce whenever someone enters or exits a protected door, if your panel is equipped with a Phone Interface and Voice Module. See Section 20 for instructions on enabling and using the Voice Chime feature with your system.

## Adjusting the Volume of the Speakers

The volume you're setting is for the Phone Interface and Voice Module. See Section 20 for instructions on adjusting the volume of the touchpads in your system.

## Adjusting the Volume of the Supervised Wireless Siren

Your system may include a Supervised Wireless Siren.

Supervised means that it will provide feedback to the panel based on its current status. Supervision of the Supervised Wireless Siren is an option only if the panel is a hardwired, not wireless, system.

The Supervised Wireless Siren sounds trouble beeps in the event of a trouble condition—low battery, power failure, etc.

The SWS has nine volume levels for status beeps, from 1 (silent) to 9 (high volume).

**To change the volume of the Supervised Wireless Siren status beeps:**

1. Hold down the button on the front of the siren for ten seconds until it beeps, then release it.
   The siren responds by beeping once, indicating it has entered change volume mode.
2. To increase the volume by one level, press the siren button for one second until it beeps. Repeat until the volume reaches the desired level.
3. After the highest level, the volume resets to the lowest level.

## Adjusting the Touchpad Display Brightness

The display contrast on touchpads can be adjusted. If you have a touchpad in a bedroom, for example, you may want to dim the display at night so it won't disturb your sleep.

The brightness setting affects only the touchpad currently being used.

**To change touchpad brightness:**

1. Press [9] + [C][0][0][E]
   (System Master or Partition Master code).
2. *On alphanumeric touchpads:*
   - Press [B] until the touchpad displays "OPTIONS," then press [#].
   - Press [B] until the touchpad displays "TOUCHPAD BRIGHTNESS 2," for example.

   *On LED touchpads:*
   - Press [4] + [2].
3. Enter a setting, between [0] and [3].
   ([3] is the brightest setting.)
4. Press [#] to secure your choice.
5. Press [*] + [7] + [#] to exit user programming.

After dimming the display, pressing any button momentarily returns the display to full brightness. After 15 seconds without touchpad activity, the display returns to the set dimmed level. If an alarm occurs while the display is dimmed, it automatically returns to the full brightness level and stays that way until you disarm your system.

# SECTION 7: ASSIGNING USER CODES

The system requires a valid access code before it will process most transactions.

There is one **System Master code** which serves as the main programming code for your system. Only a *very* limited number of users will need to know this code.

There are two **Partition Master codes** (one for each partition) which allow access to system operations in the respective partition.

There are 60 **Regular User codes** which act as keys in everyday use to arm and disarm the system. These codes are easy to change by someone with a System Master or Partition Master code. If necessary, they can be assigned to neighbors, baby-sitters, or repair persons for temporary use. They are easily deleted from the system when no longer necessary.

**To change a user access code:**

1. Press [9] + [C][0][0][E].
   *If you want to change the:*
   - System Master code
   - Partition Master codes
   - Regular User codes

   *enter the System Master code (default is 7890).*
   *If you want to change the:*
   - Partition Master code in that partition
   - Regular User codes

   *enter the Partition Master code.*
2. Press [B] until the touchpad displays "USER CODES," then press [#].
3. Press [B] until the touchpad displays the type of code you wish to change.
   For example, if you want to change a Regular User code, press [#] when the touchpad displays "REGULAR USER CODES."
4. Enter the new code and press [#].
   If you're changing a Regular User code, press [B] until the touchpad displays the User code number you wish to change before entering the new code and pressing [#].
   For example, "USER 06 – 1310."
5. Press [B] to move to the other codes, or [*] to return to the programming menu.

## *Erasing a User Code*

When a code is deleted from the system, that code will no longer act as a key for operating the system in any manner. To prevent unwarranted code deletions, the system follows these patterns:

- The Partition Master code deletes Regular User codes only
- The System Master code deletes Partition Master codes only

When a code is deleted, it appears as 4 asterisks (****).

**To erase a user code:**

1. Press [9] + [C][0][0][E].
   *Enter System Master code → to erase Partition Master codes.*
   *Enter Partition Master code → erase Regular User codes.*
2. Press [B] until the touchpad displays "USER CODES," then press [#].
3. Press [B] until the touchpad displays the type of code you wish to erase, then press [#].
4. Enter the System Master or Partition Master code you used in Step 1 and press [#]. The deleted code appears as 4 asterisks.
   For example, "USER 01 – ****."
5. Press [B] to move to the other codes, or [*] + [7] + [#] to exit user programming.

### *Good Access Code Hygiene*

*(graphic)*

To preserve the integrity of your system, keep access codes confidential and delete extra codes as soon as they are no longer needed.

We recommend that you avoid using obvious code patterns such as 1234 or 1111, 2222, etc.

# SECTION 8: SETTING THE TIME AND DATE

This is a global setting which affects both partitions.

**To set the system's time and date:**

1. At an alphanumeric touchpad, press [9] + [C][O][D][E]. (Enter the System Master.) The touchpad displays "TIME AND DATE."
2. Press [B] until the touchpad displays "TIME AND DATE," then press [#].
3. Enter the correct time in 24-format, then press [#]. The touchpad displays, "TIME 12:40 PM," for example.
4. To set the current date, press [B].
5. Enter today's date as 6 digits (*mm/dd/yy*) and press [#]. The touchpad displays "DATE 12/07/99."
6. Press [*] + [7] + [#] to exit user programming.

| 24-Hour Time | | | | | |
|---|---|---|---|---|---|
| 00:00 | Midnight | 08:00 | 8:00 am | 16:00 | 4:00 pm |
| 01:00 | 1:00 am | 09:00 | 9:00 am | 17:00 | 5:00 pm |
| 02:00 | 2:00 am | 10:00 | 10:00 am | 18:00 | 6:00 pm |
| 03:00 | 3:00 am | 11:00 | 11:00 am | 19:00 | 7:00 pm |
| 04:00 | 4:00 am | 12:00 | Noon | 20:00 | 8:00 pm |
| 05:00 | 5:00 am | 13:00 | 1:00 pm | 21:00 | 9:00 pm |
| 06:00 | 6:00 am | 14:00 | 2:00 pm | 22:00 | 10:00 pm |
| 07:00 | 7:00 am | 15:00 | 3:00 pm | 23:59 | 11:59 pm |

# SECTION 9: USING THE ENERGY SAVER FEATURE

Use the Energy Saver feature to keep your house within a user-designated temperature range. These high and low temperature points that you set override your normal heating and air conditioning temperature settings. Doing so allows you to use more energy-efficient settings when away from home.

## Energy Saver Example

It works like this:

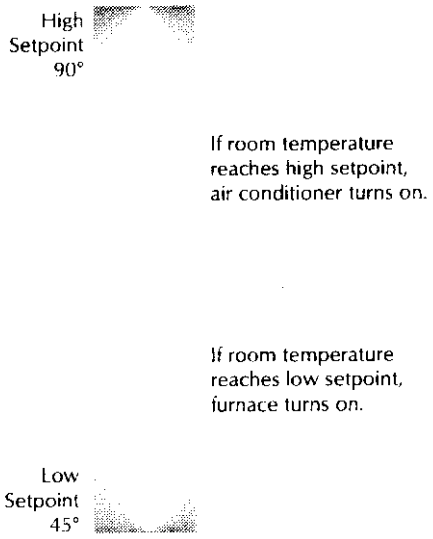
- At your touchpad, set a high temperature point (to trigger the air conditioner) and a low temperature point (to trigger the furnace). This needs to be done only once, but can be changed easily if necessary.
- Let's say that you usually keep the temperature in your home at 68°F, but since no one will be there during the day, you turn the Energy Saver feature on. You've set the low temperature point to 55°F, so the furnace will keep the house heated to 55°.
- You're about to return home and would like the house to be heated to its normal 68°F when you arrive. If you have a Phone Interface and Voice Module installed, you can simply call home and turn the Energy Saver feature off, giving control back to the furnace thermostat (68°).

Control your air conditioning temperatures in the same manner.

In addition to controlling temperature, the Energy Saver feature notifies the central monitoring station if your heating or air conditioning unit fails—before pipes freeze or pets are harmed by extreme heat or cold.

## *Setting the Energy Saver High and Low Temperature Settings*

Initially, you must set the energy saver to the desired high and low temperatures. This is done only once, unless you want to change temperature settings.




The high and low settings you enter do not control heating and cooling systems, but determine the point at which the furnace or air conditioner is activated.

Temperature settings can range from 45° to 90° Fahrenheit.

**To set the temperature range:**

1. At an alphanumeric touchpad, press [9] + [C][O][D][E] (System Master or Partition Master code).
2. Press [B] until the touchpad displays "ENERGY SAVER," then press [#].
3. Enter the lowest allowable temperature before the furnace turns on. For example, "LOW SETPOINT 50 DEGREES F."
4. Press [#] to secure your choice.
5. Press [B]. Enter the highest allowable temperature before the air conditioner turns on. For example, "HIGH SETPOINT 82 DEGREES F."
6. Press [#] to secure your choice.
7. Press [*] + [7] + [#] to exit user programming.

## *Turning Energy Saver On and Off*

To override your normal heating or air conditioning settings, turn on the energy saver feature. When you are ready to return to your normal temperature control settings, turn Energy Saver off.

**To turn the energy saver feature on/off:**

- From any touchpad, press [7] + [2]. Alphanumeric touchpads display, "ENERGY SAVER IS ON," for example.

# SECTION 10: CREATING TIME SCHEDULES

Time schedules are windows of time defined by a start time, a stop time, and the days of the week these times are effective.

You can create up to 16 time schedules for setting up the following system features: Latchkey Paging, Notify by Exception, and light control.

**To define a time schedule:**

1. At an alphanumeric touchpad, press [9] + [C][0][D][E]. (Use the System Master or Partition Master code).
2. Press [B] until the touchpad displays "SET UP SCHEDULES," then press [#]. The touchpad displays the first time schedule, "SCHEDULE 00."
3. Press [B] until the touchpad displays the time schedule you wish to set, then press [#]. The touchpad displays the current start time for this schedule.
4. Enter the start time in 24-hour format (00:00–23:59), then press [#]. The touchpad displays the new start time.
5. To display the current stop time for this schedule, press [B] once.
6. Enter the stop time in 24-hour format, then press [#]. The touchpad displays the new stop time.
7. Press [B] until the touchpad displays a day of the week you wish to assign this schedule to.
8. Enter [2] to include the day in the schedule ("ON") or [1] to exclude the day from the schedule ("OFF").
9. Press [#] to secure your choice.
10. Press [B] to move to the next day of the week or press [*] to return to the schedule list.
11. Press [*] + [7] + [#] to exit user programming.

## Scheduling Consecutive Days

There may be instances when you'd like to schedule a feature event to start one day and stop the next day or a number of days later.

### *One Day Rollover*

You can create a schedule that begins on one day, and stops on the next day by using only one time schedule.

**Example 1 of One Day Rollover.** At home you'd like the Latchkey Opening feature to be effective from 10 p.m. on Tuesday until 5 a.m. on Wednesday.

By taking advantage of One Day Rollover, one time schedule can cover both days. (That schedule is illustrated at right.)

Notice how the Stop Time for Tuesday is later than the Start Time. The system knows to apply the Stop Time to the next day (5 a.m. on Wednesday).

| Schedule | X |
|---|---|
| Start | 22:00 |
| Stop | 05:00 |
| Mon | OFF |
| Tue | ON |
| Wed | OFF |
| Thur | OFF |
| Fri | OFF |
| Sat | OFF |
| Sun | OFF |
| Part. | 1 |

**Example 2 of One Day Rollover.**

Building on Example 1, let's say that you'd like the Latchkey Opening feature to be effective between 10 p.m. and 5 a.m., *Monday through Friday.*

By simply applying the Start and Stop Times to each day, one time schedule can cover the entire week.

| Schedule | X |
|---|---|
| Start | 22:00 |
| Stop | 05:00 |
| Mon | ON |
| Tue | ON |
| Wed | ON |
| Thur | ON |
| Fri | ON |
| Sat | OFF |
| Sun | OFF |
| Part. | 1 |

### *Multiple Day Rollover*

The simplest method for defining a window of time that spans multiple days is to use *99:99* to signify an open Start or Stop Time.

**Example of Multiple Day Rollover.**
At your business you'd like specific lights to remain lit from Friday afternoon through the weekend, until Monday morning.

In this situation, the lights need to be scheduled to roll over until they reach a recognizable Stop time.

In the figure to the right, Schedule Y is set up to begin at 4 p.m. on Friday afternoon. Since the Stop time is 99:99, the lights will remain lit (roll over) until a recognizable Stop time is reached.

| | Schedule Y | Schedule Z |
|---|---|---|
| Start | | |
| Stop | | |
| Mon | | ON |
| Tue | | |
| Wed | | |
| Thur | | |
| Fri | ON | |
| Sat | | |
| Sun | | |
| Part. | 1 | 1 |

Schedule Z is set up with an undefined Start time (99:99), so if the lights were already lit, they will remain lit until the Schedule Z Stop time is reached at 5 a.m.

For any schedule to be effective, it needs to be *attached* to a feature. One schedule can be attached to more than one feature event. See:

- Section 12 for information on attaching time schedules for light control,
- Section 14 for information on attaching time schedules to Latchkey Paging, and
- Section 15 for information on attaching time schedules to Notify by Exception.

## Time Schedules and Partitions

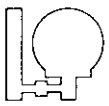
Once a particular schedule is attached to an feature event used by a

, that schedule becomes unavailable to the other partition. This prevents the situation where one partition makes changes to the time schedule,

# SECTION 11: LIGHT CONTROL

The installer can connect lamp modules to one or more lights in your house, making them part of system operation. As part of your security system, these interior or exterior lights can be:

- controlled by a touchpad.
- controlled by a telephone.
- controlled by a time schedule.
- turned on instantly in emergency situations.
- turned on automatically when the system is armed or disarmed.



For system lights to respond to user and emergency commands, the light switches on the lamps must be turned on.

## Light Control By Touchpad

All touchpads offer some sort of light control. How this is done depends on the touchpad.

**To turn *all* lights on or off:**

- *Alphanumeric and LED touchpads:*
  Press [0] + [0].
- *Hi-Tech Wireless touchpad:*
  Press LIGHTS ON button twice/
  press LIGHTS OFF button twice.
- *4-button keychain touchpad:*
  Press the lights button (toggles lights).

**To turn a *specific* light on or off*:**

- *Alphanumeric and LED touchpads:*
  Press [0] + light number
- *Hi-Tech Wireless touchpad:*
  Press LIGHTS ON button + light number/
  press LIGHTS OFF button + light number.

You cannot turn on a specific light using a keychain touchpad.

* Refer to the User Sheet in Appendix A to determine which light number is associated with which lamp.

## Controlling Lights By Telephone

If your panel is equipped with a Phone Interface and Voice Module you can control lights from an on- or off-site Touchtone phone. See Section 20 for more information on using a phone to operate your system.

## Controlling Lights By Time Schedule

You can program lights using time schedules. If you need assistance setting up a time schedule that fits your lighting needs, see Section 10

**To schedule for lights:**

1. At an alphanumeric touchpad, press [9] + [C][0][D][E] (System Master or Partition Master code).
2. Press [B] until the touchpad displays "ATTACH SCHEDULES TO EVENTS," then press [#].
3. Press [B] until the touchpad displays the light number you would like to schedule. (Refer to the User Sheet to determine which light number is associated with which lamp.)
4. Press [#]. The touchpad displays the first time schedule, Schedule 00.
5. Enter [2] to assign the time schedule (on) or [1] to make the time schedule inactive (off) for this light.
6. Press [#] to secure your choice.
7. Press [B] to go to the next time schedule, if needed, and turn the schedule on or off for this light.
8. When you've finished attaching the desired time schedules, press [*] + [7] + [#] to exit user programming.

## Entry and Exit Lighting

System lights can play an important role in emergency situations by providing ample light to exit a building safely.

During an intrusion alarm, system lights flash on and off to scare away intruders and draw attention to the premises.

The installer can also program your system so that upon entering your house (system armed), selected lights turn on, allowing you to see your way to the telephone or touchpad to disarm the system.

# SECTION 12: OPENING AND CLOSING REPORTS

The Opening and Closing Reports feature allows pagerholders and/or the central station to be notified whenever the system is armed and/or disarmed.

The Opening and Closing Reports feature is generally used in business situations, helping you keep track of the flexible or shifting work hours of several employees throughout the day.

## When Will this Feature Be Active?

The Opening and Closing Reports feature can be enabled only by the installer. There is nothing more that the user needs to program in order to receive the Opening and/or Closing pages.

If a pagerholder no longer wishes to receive the reports, the pagerholder needs to contact the installer to turn off this option for that pager.

Opening and Closing Reports occur without regard to any time schedule. There are no special codes that the user needs to enter in order for the page to be sent.

## Who Will Be Paged?

Your system can call up to 5 different pager numbers, as well as the central station, to report an Opening and/or Closing Report.

Refer to the User Sheet in Appendix A to see which pagers have been set up to receive a page for this feature. Contact the installer if you would like to turn Opening and Closing Reports on or off for any programmed pager or for the central station.

## What Will the Pager Report?

For Opening Reports, the page reports the arming level (111 for 1—OFF) and the user code entered.

For Closing Reports, the page reports the arming level as 222 (2—STAY) or 333 (3—AWAY), and the user code that armed to that level.

See Table 2 in Section 2 for more information on paging reports.

# SECTION 13: LATCHKEY PAGING

The Latchkey Paging feature allows programmed pagerholders to be notified when the system is armed and/or disarmed during specific hours or under certain conditions.

## Page In the Event of . . .

You can set up the Latchkey Paging feature to send a page in the following situations:

- Send a page when the system is disarmed. *(Latchkey Opening)*
- Send a page when the system is armed. *(Latchkey Closing)*

## Latchkey Opening

The installer can set up Latchkey Opening for one of two types of use: Basic and Advanced.

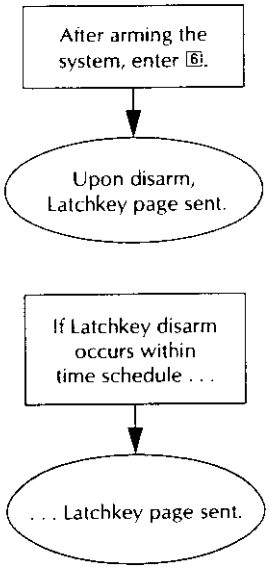
### *Basic Latchkey Opening*

In Basic Latchkey Opening use, Latchkey pages can be sent under either of these two conditions:

- After arming the system in preparation for the Latchkey page, enter [6],

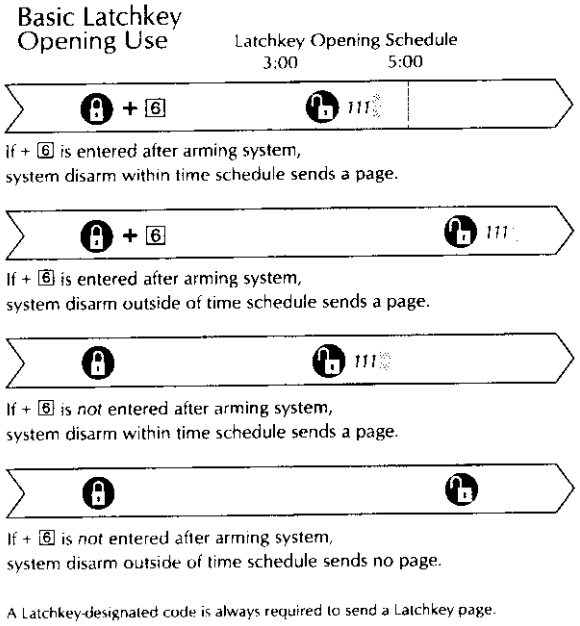
  *or*

- the Latchkey disarm must occur within the assigned time schedule.




The following figure illustrates the three scenarios in which a Opening Latchkey page would be sent.

In the fourth scenario, no page is sent because [6] was not entered after arming the system, and the Latchkey disarm did not occur within the scheduled time period:



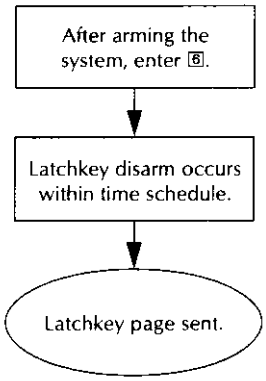

A Latchkey-designated code is always required to send a Latchkey page.

> The user code arming or disarming the system—the code that causes the page—must be Latchkey-designated.
>
> Refer to the User Sheet in Appendix A to see which user codes have been given the Latchkey attribute.

## *Advanced Latchkey Opening*

In Advanced Latchkey use, Latchkey pages can be sent only after satisfying both of these conditions:

- After arming the system in preparation for the Latchkey page, enter [6] *and*
- the Latchkey disarm must occur within the assigned time schedule.



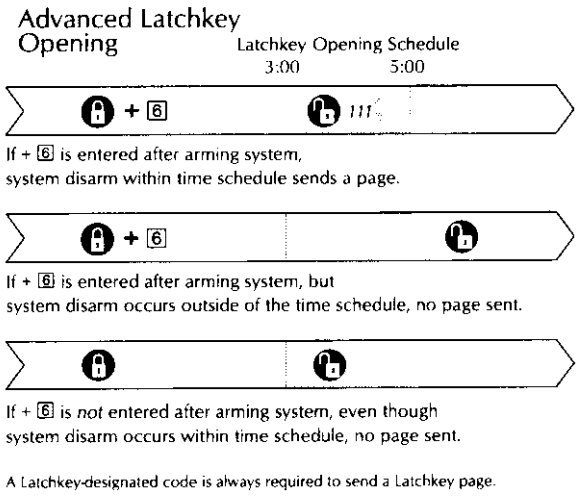

In the Advanced scenario, Latchkey paging is available only during the time schedule(s) that you assign to it. No page will be sent if a Latchkey-designated user code disarms outside of the assigned time schedule(s).

The following figure illustrates the one scenario in which an Opening Latchkey page would be sent.

In the second and third scenarios, no page is sent because

1) the Latchkey disarm did not occur within the scheduled time period, and,

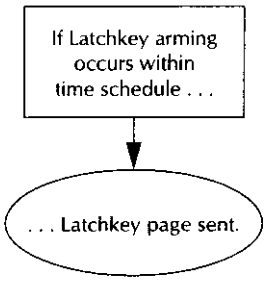
2) [6] was not entered after arming the system.

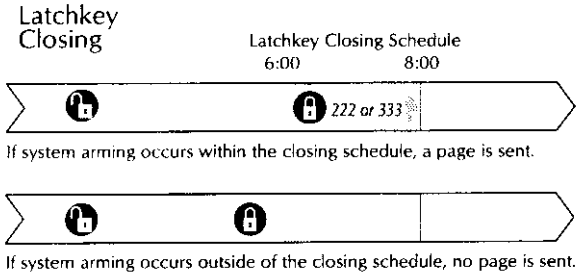



## Latchkey Closing

In Latchkey Closing, Latchkey pages are sent only when the arming occurs within the assigned time schedule.

The following figure illustrates the one scenario in which a Closing Latchkey page would be sent.



## Assigning a Time Schedule to Latchkey Paging

Follow these steps to attach a time schedule to Latchkey Opening or Latchkey Closing. If you need assistance setting up a time schedule that fits your needs, see Section 10.

**Scheduling Latchkey Opening and/or Closing:**

1. At an alphanumeric touchpad, press [9] + [C][0][0][E] (System Master or Partition Master code).
2. Press [B] until the touchpad displays "ATTACH SCHEDULES TO EVENTS," then press [#].
3. To schedule:
   - Latchkey Opening, press [#] when the touchpad displays "LATCHKEY OPENING."
   - Or, press [B] until the touchpad displays "LATCHKEY CLOSING," then press [#].

   If you want a page to be sent every time Latchkey-designated users codes arm or disarm the system, apply the same time schedules under Latchkey Opening (Basic) and Latchkey Closing.
4. The touchpad displays the first time schedule, "SCHEDULE 00 OFF," for example.
5. Enter [2] to assign the time schedule or [1] to make the time schedule inactive for this event.
6. Press [#] to secure your choice.
7. Press [B] to go to the next schedule and repeat steps 4 and 5.
8. When you've finished attaching the desired time schedules, press [*] + [7] + [#] to exit user programming.

## Applying the Latchkey [6]

The Latchkey modifier [6] is pressed after the arming keypress sequence.

**Applying the Latchkey modifier:**

- At any touchpad, press [2] or [3] + [C][0][0][E] + [6]. The touchpad displays, "LATCHKEY PAGER ON" or "LATCHKEY PAGER OFF."

[6] must be pressed within 5 seconds of arming.

## Who Will Be Paged?

Your system can call up to 5 different pager numbers to report a Latchkey Opening and/or a Latchkey Closing. Latchkey pages do not report to the central station.

Refer to the User Sheet in Appendix A to see which pagers have been set up to receive a page for this feature. Contact the installer if you would like to turn Latchkey Paging on or off for any programmed pager.

## Who Can Send a Page?

Only those user codes given the Latchkey attribute can cause a page to be sent. Therefore, to send a page, the user code that the child uses to disarm the system after school must have the Latchkey attribute assigned to it.

Refer to the User Sheet in Appendix A to see which user codes have been set up to send a Latchkey Opening or a Latchkey Closing page.

## What Will the Pager Report?

For Latchkey Opening Reports, the page reports the arming level (111 for 1—OFF) and the user code entered.

For Latchkey Closing Reports, the page reports the arming level as 222 (2—STAY) or 333 (3—AWAY), and the user code that armed to that level.

See Table 2 in Section 2 for more information on paging reports.

# SECTION 14: NOTIFY BY EXCEPTION

The Notify by Exception feature allows programmed pagerholders and/or the central station to be notified when arming or disarming occurs outside of specified time schedules.

Here are two specific examples of how the Notify by Exception feature might be used in a business setting:

- Every morning you'd like to be notified if your business is disarmed after its opening time.
- Every evening you'd like to be notified if your business is armed before closing time.

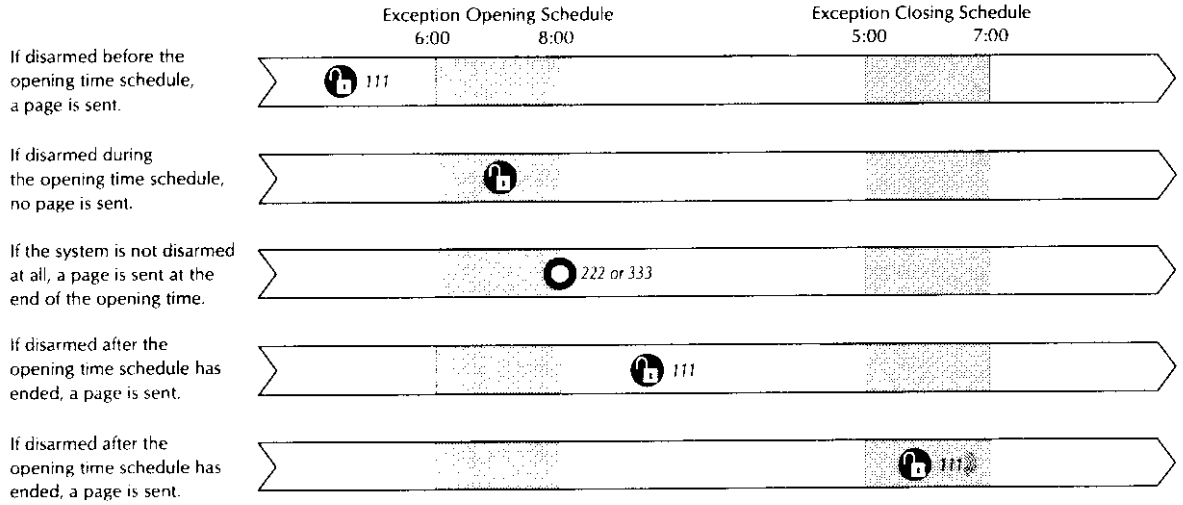
## Page In the Event of . . .

You can set up the Notify by Exception feature to page in the following instances:

- Send a page if the system is disarmed before the Opening time schedule begins or after the Opening time schedule has ended. *(Exception Opening)*
- Send a page if the system is armed before the Closing time schedule begins or after the Closing time schedule has ended. *(Exception Closing)*

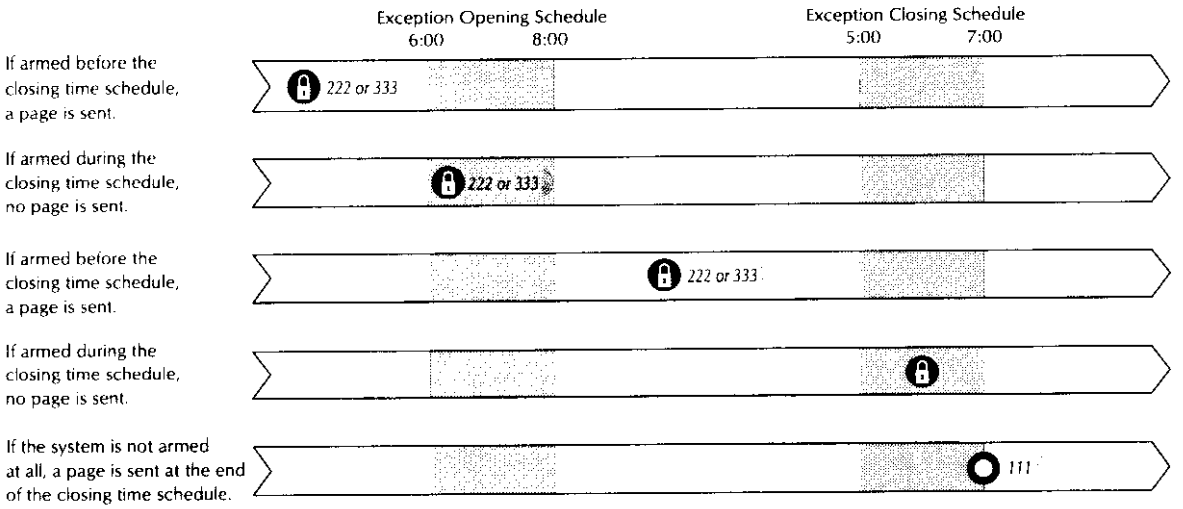
## Exception Opening Pages in a Typical Setup

Exception Opening pages occur if the system is disarmed earlier or later than the opening time schedule.




## Exception Closing Pages in a Typical Setup

Exception Closing pages occur if the system is armed earlier or later than the closing time schedule.



## When Will this Feature Be Active?

The most typical setup of this feature makes use of both Exception Opening and Exception Closing. (It is possible to use Exception Opening only or Exception Closing only, however.)

The figures below show what page message would be sent given the time the system was armed or disarmed.

## Who Will Be Paged?

Your system can call up to 5 different pager numbers to report an Open Exception and/or Closed Exception. You can request that the Central Station receive Open and Closed reports as well.

Refer to the User Sheet in Appendix A to see which pagers have been set up to receive a page for this feature. Contact the installer if you would like to turn the Notify by Exception on or off for any programmed pager or for the central station.

## Who Can Send a Page?

All user codes will send a page if used while Notify by Exception feature is in effect.

## Assigning a Time Schedule to Exception Opening and Closing

Follow these steps to define Opening and Closing schedules for Exception paging. If you need assistance setting up a time schedule that fits your needs, see Section ___.

**Scheduling Exception Opening and/or Closing:**

1. At an alphanumeric touchpad, press [9] + [C][O][D][E] (System Master or Partition Master code).
2. Press [B] until the touchpad displays "ATTACH SCHEDULES TO EVENTS," then press [#].
3. To schedule:
   - Exception Opening, press [B] until the touchpad displays "EXCEPTION OPENING," then press [#].
   - Exception Closing, press [B] until the touchpad displays "EXCEPTION CLOSING," then press [#].
4. The touchpad displays the first time schedule, "SCHEDULE 00 OFF," for example.
5. Enter [2] to assign the time schedule or [1] to make the time schedule inactive for this event.
6. Press [#] to secure your choice.
7. Press [B] to go to the next schedule and repeat steps 4 and 5.
8. When you've finished attaching the desired time schedules, press [*] + [7] + [#] to exit user programming.

## SECTION 15: THE NO ACTIVITY FEATURE

This system can monitor the activity in your home and automatically call for help if normal activities are not detected within a defined period of time.

For example, if someone falls and can't move, the system will detect that normal activities, such as placing outgoing calls or opening doors and windows, have not occurred for a predetermined No Activity time.

The system sounds a low-volume auxiliary alarm to let you know there may be a problem. If all is well, you can stop the siren by disarming your system. If no one disarms the system for 5 minutes, your system calls the central monitoring station. The central monitoring station will send emergency personnel to the premises to check out the situation.

Refer to the User Sheet in Appendix A to see if the No Activity feature is currently available to you. It will also indicate the No Activity time setting. If the feature is not currently available to you, contact your installer.

## SECTION 16: USING THE PANEL DOWNLOAD OPTION

To *download* to the panel is to replace the old information in it with new information. Downloading is performed only by your dealer using ITI software specifically designed for this panel.

Turning the Download option on allows the dealer remote access to your panel in order to:

- Update your account.
- Back up data from your panel.
- Allow your dealer to quickly implement requested programming changes.

**To enable/disable the Panel Download setting:**

1. At an alphanumeric touchpad, press [9] + [C][O][D][E] (System Master or Partition Master code).
2. Press [B] until the touchpad displays "OPTIONS," then press [#].
3. Press [B] until the touchpad displays "DOWNLOADING OFF," for example.
4. Enter [2] to turn the feature on, allowing the dealer remote access to the panel, or enter [1] to turn the feature off, denying remote access.
5. Press [#] to secure your choice.
6. Press [*] + [7] + [#] to exit user programming.

## SECTION 17: IDENTIFYING THE SYSTEM VERSION

It is useful to know the software version of your panel for the purposes of future software updates.

**To identify the version of your system panel:**

1. At an alphanumeric touchpad, press [9] + [C][O][D][E] (System Master or Partition Master code).
2. Press [B] until the touchpad displays "SYSTEM VERSION nnn*nnnn." Make a note of this information.
3. Press [*] + [7] + [#] to exit user programming.

# SECTION 18: USING A PARTITIONED SYSTEM

The panel can be set up by your installer to operate as a *two-partitioned system.*

One example of where a partitioned system might be useful is in a small grouping of businesses, such as a strip mall, where more than one store could share one system.

## Global Settings

Some system settings affect both partitions. These *global* settings include:

- The time and date.
- The System Master code.
- The phone number of the panel.
- The phone number of the central monitoring station.
- Pager phone numbers.
- The downloader phone number.
- The Dialer Delay feature.

## Partition-Specific Settings

Other settings can be programmed to affect only one partition. These *partition-specific* settings include:

- The Partition Master code (1 per partition).
- The user access codes (Partition 1 + Partition 2 = 60).
- Light control for (Partition 1 + Partition 2 = 9).
- Time schedules (Partition 1 + Partition 2 = 16).
- The Latchkey feature.
- The Notify by Exception feature.
- The Downloading option.
- The Silent Arming option.
- Touchpad brightness settings.
- Speaker volume settings.
- The Energy Saver feature and its high and low setpoints.

To program any of these features for another partition, you must enter the programming menu from a touchpad in that partition, or *jump* into that partition, then enter the programming menu.

## Jumping Partitions

**Note** If the system uses just one partition, skip this section.

**To jump partitions:**

1. From any alphanumeric touchpad, press [8] + [C][0][D][E] + [C]. (See note below.) The touchpad displays, "ENTER PARTITION."
2. Press [1] if you want to change to Partition 1 or [2] if you want to change to Partition 2. The touchpad sounds one short beep before displaying the idle text in the newly entered partition. If the touchpad sounds one long beep, the jump was not successful. The partition assignment reverts back if no keys are entered after 10 seconds.
3. Press [9] + [C][0][D][E] to get to the programming menu.

**Note** The ability to jump partitions is attributable to each user code.
The ability to jump partitions, then arm, disarm, or program, is available only when the master code or the partition master code of the just-entered partition is used.

## Programming the Other Partition

Only one partition can be programmed at a time. When one partition is using the programming menu, touchpads in the other partition are locked out from any programming activity. Arming and disarming can continue, however.

Some partition-specific settings share resources, such as access codes and time schedules. This means that if Partition 1 uses user numbers 00 through 20, Partition 2 will not be able to see or use those user numbers. The first user number available to Partition 2 would be 21.

The allocation of time schedules works in much the same manner. There are 16 schedules that can be used by either partition, but as soon as Partition 1 attaches a schedule to any feature, that schedule cannot be used by the Partition 2, and vice versa.

# SECTION 19: TESTING THE SYSTEM

To avoid sending false police or fire alarms when testing monitored systems, always call and notify the central monitoring station before activating alarms.

## Automatic Test Features

Your security system is able to automatically test itself and alert you if it discovers any system problems. The system performs ongoing tests to check for problems like power failures, low batteries, sensors that aren't working, and communication trouble with the central monitoring station. When your system detects a problem, trouble beeps sound to alert you. In many cases, your system will notify the central monitoring station of system problems.

You can find and fix most system troubles yourself (see Section 21, "Troubleshooting"), however, some system troubles may require you to call your security system dealer for assistance.

## Manual Tests

The tests your security system automatically performs provide continuing reassurance that it is working properly. There are also weekly system tests you can do yourself as an added safeguard. Taking time to do regular manual tests will familiarize you with your system and alert you to anything unusual, such as cut phone lines or sensors that have been tampered with.

### *Testing Sensors*

To perform a manual system test you'll need to check all sensors, including panic buttons and motion detectors. Part of the sensor test requires you to walk through the premises and open, or trip,

**Table 3. Sensor Testing Procedures**

| **Type of Sensor** | **Test procedure** | **If tests OK, touchpad displays** |
|---|---|---|
| Door/window sensor | Open the secured door or window. | "SENSOR *nn* OK" |
| Smoke detector | Press and hold the test button until the system sounds transmission beeps. | "SENSOR *nn* OK" |
| Motion detector | Avoid the motion detector's view for 5 minutes, then enter its view. | "SENSOR *nn* OK" |
| Rate-of-Rise Heat Detector | Rub your hands together until warm, then place one hand on the detector for 30 seconds. | "FIRE PANIC OK" |
| Phone Interface and Voice Module | | |
| Shock sensor | Tap the glass twice, away from the sensor. Wait at least 30 seconds before testing again. | "SENSOR *nn* OK" |
| Panic buttons | Press and hold the appropriate panic button(s) for 3 full seconds. | "POLICE PANIC OK" |
| Keychain Touchpads | Press and hold LOCK and UNLOCK simultaneously for 3 seconds. | "POLICE PANIC OK" |
| Glass guard sensor | Tap the glass 3 or 4 inches from the sensor. | "SENSOR *nn* OK" |
| Remote Handheld Touchpad | Press and hold the 2 EMERGENCY button simultaneiously for 3 seconds. | "POLICE PANIC OK" |
| Freeze sensor | Apply ice to the sensor. Do not allow the sensor to get wet. | "SENSOR *nn* OK" |

each sensor.

**To perform a sensor test:**

1. Contact the central monitoring station to let them know you will be testing the system.
2. Press [8] + [C][0][D][E] (System Master or Partition Master code).
3. Press [3]. Alphanumeric touchpads display, "*SENSOR TEST." The system gives you approximately 15 minutes to finish testing. Restart the timer by pressing [8] + [C][0][D][E] + [3] if you need more time to complete testing.
4. One at a time, trip each sensor. See Table 3 for the appropriate procedure.
5. To check that all sensors have been tested, press [*]. The touchpad displays a list of untested sensors, or displays "SENSOR TEST OK" if all sensors have been tested.
6. After all sensors are tested, press [1] + [C][0][D][E] to exit testing.
7. When testing is complete, contact the central monitoring station to let them know that you have finished testing.

**To test a touchpad:**

- Send a police, fire, or auxiliary panic. Press the arm and disarm buttons at the same time to initialize a panic signal.

*Do they need to notify central station first? Is there a test mode for these to NOT call the central station? Or, is this simply like "tripping" a sensor?*

## *Performing a Phone Communication Test*

The purpose of this test is to verify that the connection between the central monitoring station and your system are working properly.

Most phone tests take only a few minutes, however, your system will try for up to 15 minutes to establish a connection.

You should perform a phone test weekly. Make certain that you contact the central station before performing the test so they know this is not an alarm.

**To perform a phone test:**

1. Contact the central monitoring station to let them know you will be testing the system.
2. Disarm the system ([1] + [C][0][D][E]).
3. Press [8] + [C][0][D][E] (System Master or Partition Master code).
4. Press [2]. Alphanumeric touchpads display, "*PHONE TEST."
5. If the phone test is successful, the display should read "PHONE TEST OK." Within a few minutes, the display should return to the Level 1 display. If it does not return in ***three*** minutes, note how long before the Level 1 display returns and contact the installer.
6. When testing is complete, contact the central monitoring station to let them know that you have finished testing.

After the test has started, the arming level can be changed to 1—Off, then to 2—Stay or 3—AWAY, if you wish. The phone test will continue whether or not the display reads "*PHONE TEST."

**To test the Supervised Wireless Siren:**

1. Contact the central monitoring station to let them know you will be testing the system.
2. Trip fire, intrusion, and auxiliary alarms. The siren should produce the appropriate alarm sounds.
3. Arm and disarm the system. The siren should produce the appropriate status tones unless the status volume is set to zero (see "Adjusting the Volume of the Supervised Wireless Siren").
4. Continue testing the other components, or contact the central monitoring station to let them know that you have finished testing.

## Trouble Signals

When your security system detects a problem, interior sirens sound trouble beeps rapidly five times, once every minute. If your system is in 2—STAY or 3—AWAY and a problem occurs, most trouble beeps won't start until you disarm your system to 1—OFF. If you do a status check or change the arming level, beeps and voice messages will stop. If the problem is not corrected, beeps and voice messages start again 10 hours later.

### *Trouble Beeps*

If your security system detects system problems, it communicates with you by sounding trouble beeps to alert you.

Trouble beeps are a series of five short beeps every minute. If possible, correct the situation which is causing the trouble beeps, or call for service.

In some cases, your system also reports the condition to your central monitoring station.

### *Trouble Messages*

**AC POWER FAILURE.** Your system may have been accidentally unplugged from AC power or there may be an AC power outage. The backup battery will take over. If AC power is not restored within 15 minutes, the system will alert you (and the central monitoring station if your installer enabled this feature).

**SYSTEM BATTERY FAILURE.** This means that the emergency backup battery has been drained and must be recharged or replaced. If your AC power is not working, your security system may shut down once the battery is drained. When AC power is restored, your security system will recharge its battery.

**SENSOR SUPERVISORY.** The sensor indicated is not communicating with the system.

**SENSOR TROUBLE/LOW BATTERY/TAMPER.** The sensor indicated has an internal problem. The battery may be low or the sensor cover may be off. The sensor may still be working.

**FIRE SENSOR TROUBLE/OPEN.** A fire or smoke sensor has not been properly reset after activation or on some sensors, the sensing chamber is dirty or covered.

**FAIL-TO-COMMUNICATE.** Your security system cannot communicate to the central monitoring station. Your system will try to report to the central monitoring station three times before it tells you there is a fail-to-communicate problem. It will then try five more times.

## Backup—When Power Goes Out

Your system has a backup battery that keeps your system operational during a power failure. An optional feature allows your system to alert the central monitoring station if the power is off for more than 15 minutes. It reports again when power has been restored.

## Resetting Smoke Detectors

Wireless smoke detectors will automatically reset themselves after an alarm, once all the smoke has cleared.

In some cases, the installer may have installed a smoke sensor reset switch which you'll need to press.

1. To turn off the sirens, disarm the system.
2. The light on the smoke detector remains lit until the smoke clears.
3. Disarm system again to reset hardwired detectors.

# SECTION 20: USING A TOUCHTONE PHONE TO OPERATE YOUR SYSTEM

The Phone Interface and Voice Module provides on-site and remote system control from any Touchtone phone. The module uses a digital-voice chip containing over 220 words. The words are used in descriptive system status messages through the phone and can be broadcast over interior speakers.

## Who Can Use a Phone to Operate the System?

Any user with a valid access code can operate the system using an on-site Touchtone phone.

Users can also operate the system remotely from a Touchtone phone if their access code has been granted off-site phone privileges.

Check the User Sheet in Appendix A to see which access codes have the ability to operate the system remotely. You can have access code privileges changed by contacting the installer.

## Phone Command Prefix

The system has been connected to the phone line in your home or business so that it can call the central monitoring station in an emergency. The system does not interfere with other out-going calls.

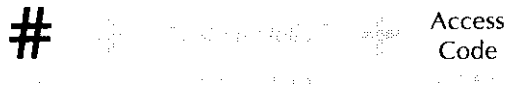
# What distinguishes a call to the panel from any other out-going call, is the use of the Phone Command Prefix. The prefix is usually [#], but can be changed to [*] by the installer.

If the Phone Command Prefix is dialed first, the panel pricks up its ears and waits for a valid access code and command.

## On-site Phone Operation

Any user with a valid access code can operate the system using an on-site Touchtone phone.

Here is the basic on-site access pattern you'll follow:




**To access your system using an on-site Touchtone phone:**

1. Within 5 seconds of picking up the phone receiver, enter [#] (your designated Phone Command Prefix). You hear *"System hello."*
2. Enter your access code. You hear, "*a short status message*."

### What if someone calls while I'm talking to the panel?

If the phone rings while you're using it to operate the system, you'll hear *two long beeps for each ring from interior speakers and phones*. You can answer the call by simply hanging up on the system, then answering the call as you normally would.

You'll have to initiate another session to resume programming.

## Remote Phone Operation

You can call the panel when you're away from your home or business and perform most system operations off-site.

Here is the basic access pattern for using

*[Set apart this infor with grayed box and graphic]*

**To turn off local phone control:**

- Enter [#] + [C][O][D][E] + [#] + [6] from any on-site Touchtone phone. The phone responds with "_____."

- What about the [#] + [7] + [3]

a phone off-site to operate the system:


For remote access to the system, the user's access code must be granted off-site phone privileges. Whenever a cellular phone is used to operate the system, always follow the off-site operating directions.

When you call the panel, it needs to recognize that it should answer the incoming call. This is accomplished by one of two methods:

- Ring-Hang-Ring method
- Twelve-Ring method

### *Ring-Hang-Ring Method*

You can use this method if there is no danger that an answering machine or person will pick up the call on the first ring.

1. Call the panel. (In most cases this is the same number as the regular phone.)
2. Let the phone ring once, then hang up.
3. Wait between 8 and 12 seconds, then call the panel again. This time the panel will answer *("System hello,")* on the first ring.
4. Enter [#] (your designated Phone Command Prefix).
5. Enter your access code.
6. Proceed with system commands as you would any other touchpad.

### *Twelve Ring*

You can use this method if there is no danger that an answering machine or person will pick up the call before the twelfth ring.

1. Call the panel and let the phone ring. The panel will answer *"System hello,"* after the twelfth ring.
2. Enter [#] (your designated Phone Command Prefix).
3. Enter your access code.
4. Proceed with system commands as you would any other touchpad.

## Arming Your System

**To disarm to Level 1—OFF:**

1. From any Touchtone phone enter:
   On-site: [#] + *"System hello."* + [C][O][D][E]
   Off-site: Phone number + *"System hello."* + [#] + [C][O][D][E]
2. Enter [1].
   The phone responds with "_____."

**To arm to Level 2—STAY:**

1. From any Touchtone phone enter:
   On-site: [#] + *"System hello."* + [C][O][D][E]
   Off-site: Phone number + *"System hello."* + [#] + [C][O][D][E]
2. Enter [2].
   The phone responds with "_____."

**To arm to Level 3—AWAY:**

1. From any Touchtone phone enter:
   On-site: [#] + *"System hello."* + [C][O][D][E]
   Off-site: Phone number + *"System hello."* + [#] + [C][O][D][E]
2. Enter [3].
   The phone responds with "_____."

## Accidental Alarms

**To cancel an accidental alarm:**

1. From any Touchtone phone enter:
   On-site: [#] + *"System hello."* + [C][O][D][E]
   Off-site: Phone number + *"System hello."* + [#] + [C][O][D][E]
2. Enter [1].
   The phone responds with "_____."

## No Delay—For Instant Alarm

**Arming to Level 2 or 3 with No Delay:**

1. Close all perimeter doors and windows.
2. Exit the premises if arming to 3—AWAY.
3. From any Touchtone phone enter:
   On-site:[#] + *"System hello."* + [C][O][D][E]
   Off-site:Phone number + *"System hello."* + [#] + [C][O][D][E]
4. Enter [2] or [3].
   The phone and system speakers sound two or three beeps.
5. Immediately after hearing the beeps, press [4] for No Delay.

Changing the protection level will restore delay doors to their normal Exit and Entry Delay times.

## Arming While a Door or Window is Open

### *Bypassing a Sensor Directly*

**Opening a door/window after the system is armed:**

1. Close all doors and windows.
2. From any on-site Touchtone phone enter: [#] + *"System hello."* + [C][O][D][E].
3. Enter [2] or [3] to arm the system to the desired level.
4. Enter (?) BYPASS + [C][O][D][E] + *sensor number.*
5. Bypass other sensors, if necessary, by repeating Step __.
6. The bypassed door or window can be opened.

> Remember—when a sensor is bypassed, whether door, window, or motion detector, it cannot protect that area.

### *Bypassing a Sensor Indirectly*

**Arming the system with a door/window open:**

1. Leave open only those doors/windows you wish to open. Close all others.
2. From any on-site Touchtone phone enter: [#] + *"System hello."* + [C][O][D][E].
3. Enter [2] or [3] to arm the system to the desired level.
   The open sensor(s) cause system sirens and the phone to respond with protest beeps.
4. Enter (?) BYPASS + [C][O][D][E].
   Sirens and phone respond with *"Bypassed"* when the sensor has been bypassed successfully.
   Bypassing must be done within the Exit Delay time.

## Checking the Status of Your System

**To get a Short Status:**

- Press [#] + [#] + [#].
  Interior sirens sound beeps according to the current arming level.

**To get a Full Status:**

- Press [#] + [#] + [#].
  Interior sirens sound beeps according to the current arming level.

## Using Panic Alarms

When sending a panic alarm from a Touchtone phone:

- Do not wait more than ____ second between keypresses. Continue pressing [*], even if you hear the PIV voice interupt with a system status.
- Panic alarms can be activated from an on-premises phone only. They cannot be activated from a remote phone.

**To send a Police Panic alarm:**

- Press [*] + [*] + [*] + [*] + [*] + [*].

**To cancel:**

- Press [1] + [C][O][D][E].

**To send a Fire Panic alarm:**

- Press [#] + [#] + [#] + [#] + [#] + [#].

**To cancel:**

- Press [1] + [C][O][D][E].

**To send a Auxiliary Panic alarm:**

- Press [#] + [#] + [#] + [#] + [#] + [#].

**To cancel:**

- Press [1] + [C][O][D][E].

## Adjusting System Volume and Touchpad Brightness

**To apply Silent Arming to all Level 2 and 3 arming commands:**

1. From any Touchtone phone enter:
   On-site:[#] + *"System hello."* + [C][O][D][E]
   Off-site:Phone number + *"System hello."* + [#] + [C][O][D][E]
2. Press [9] + [C][O][D][E] (System Master or Partition Master code).
3. Press [B] until the touchpad displays "OPTIONS," then press [#].
4. Press [B] until the touchpad displays "SILENT ARMING IS OFF," for example.

5. Enter [2] to turn the feature on, preventing system status beeps while arming; or, enter [1] to turn the feature off, allowing system status beeps from touchpads and speakers.
6. Press [#] to secure your choice.
7. Press [*] + [7] + [#] to exit user programming.

**To apply Silent Arming as needed:**

1. From any Touchtone phone enter:
   On-site: [#] + *"System hello."* + [C][O][D][E]
   Off-site: Phone number + *"System hello."* + [#] + [C][O][D][E]
2. Enter [2] or [3] to arm the system to the desired level.
3. Enter [3]. System sirens and phone respond with "_____."

**To turn Chime on/off:**

1. From any Touchtone phone enter:
   On-site: [#] + *"System hello."* + [C][O][D][E]
   Off-site: Phone number + *"System hello."* + [#] + [C][O][D][E]
2. Press [7] + [1]. System sirens and phone respond with "_____."

**To adjust the speaker volume:**

1. From any Touchtone enter:
   On-site: [#] + *"System hello."* + [C][O][D][E]
   Off-site: Phone number + *"System hello."* + [#] + [C][O][D][E]
2. Press [9] + [C][O][D][E].
3. Press [B] until the touchpad displays "OPTIONS," then press [#].
4. Press [B] until the touchpad displays "VOLUME 3," for example.
5. Enter a value between [0] and [7], 7 being the loudest. Press [#] to set the volume.
6. Press [*] + [7] + [#] to exit user programming.

## Using the Voice Chime Feature

If the installer has wired speakers to the PIV outputs, you can program your system to announce the programmed sensor text whenever some enters or exits a protected door.

**To enable Voice Chime:**

1. Press [9] + [C][O][D][E] (System Master or Partition Master code).
2. On an alphanumeric touchpad, press [B] until the touchpad displays "OPTIONS," then press [#].
3. Press [B] until the touchpad displays "VOICE CHIME OFF," for example.
4. Enter [2] to turn the feature on, preventing system status beeps while arming; or, enter [1] to turn the feature off, allowing system arming beeps from touchpads and speakers.
5. Press [#] to secure your choice.
6. Press [*] + [7] + [#] to exit user programming.

**To turn Voice Chime on/off:**

- Press [7] + [1].
  While the Chime feature is on, the display on alphanumeric touchpads includes, "VOICE CHIME IS ON."

## Using the Panel Download Option

**To enable/disable the Panel Download setting:**

1. Press [9] + [C][O][D][E] (System Master or Partition Master code).
2. Press [B] until the touchpad displays "OPTIONS," then press [#].
3. Press [B] until the touchpad displays "DOWNLOADING OFF," for example.
4. Enter [2] to turn the feature on, allowing the dealer remote access to the panel, or enter [1] to turn the feature off, denying remote access.
5. Press [#] to secure your choice.
6. Press [*] + [7] + [#] to exit user programming.

## Using the Energy Saver Feature

**To set the temperature range:**

1. Press [9] + [C][O][D][E] (System Master or Partition Master code).
2. Press [B] until the touchpad displays "ENERGY SAVER," then press [#].
3. Enter the lowest allowable temperature before the furnace turns on. For example, "LOW SETPOINT 50 DEGREES F."
4. Press [#] to secure your choice.
5. Press [B]. Enter the highest allowable temperature before the air conditioner turns on. For

example, "HIGH SETPOINT 82 DEGREES F."

6. Press [#] to secure your choice.
7. Press [*] + [7] + [#] to exit user programming.

**To turn the energy saver feature on/off:**

- Press [7] + [2]. The touchpad displays, "ENERGY SAVER IS ON," for example.

## Creating Time Schedules

**To define a time schedule:**

1. Press [9] + [C][O][D][E] (System Master or Partition Master code).
2. Press [B] until the touchpad displays "SET UP SCHEDULES," then press [#]. The touchpad displays the first time schedule, "SCHEDULE 01."
3. Press [B] until the touchpad displays the time schedule you wish to set, then press [#]. The touchpad displays the current start time for this schedule.
4. Enter the start time in 24-clock, then press [#]. The touchpad displays the new start time.
5. To display the current stop time for this schedule, press [B] once.
6. Enter the stop time in 24-clock, then press [#]. The touchpad displays the new stop time.
7. Press [B] until the touchpad displays a day of the week you wish to assign this schedule to.
8. Enter [2] to include the day in the schedule ("ON") or [1] to exclude the day from the schedule ("OFF").
9. Press [#] to secure your choice.
10. Press [B] to move to the next day of the week or press [*] to return to the schedule list.
11. Press [*] again to return to the programming menu.

## Latchkey Paging

**To receive a page upon system disarm:**

1. Press [9] + [C][O][D][E] (System Master or Partition Master code.)
2. Press [B] until the touchpad displays "ATTACH SCHEDULES TO EVENTS," then press [#]. The touchpad displays "LATCHKEY OPENING."
3. Press [#]. The touchpad displays the first time schedule, "SCHEDULE 00 OFF," for example.
4. Enter [2] to assign the time schedule or [1] to make the time schedule inactive for this event.
5. Press [#] to secure your choice.
6. Press [B] to go to the next schedule and repeat steps 4 and 5.
7. When you've finished with all 15 time schedules, press [*] + [7] + [#] to exit user programming.

**To receive a page upon system arming:**

1. Press [9] + [C][O][D][E] (System Master or Partition Master code).
2. Press [B] until the touchpad displays "ATTACH SCHEDULES TO EVENTS," then press [#].
3. Press [B] until the touchpad displays "LATCHKEY CLOSING," then press [#].
4. The touchpad displays the first time schedule, "SCHEDULE 00 OFF," for example.
5. Enter [2] to assign the time schedule or [1] to make the time schedule inactive for this event.
6. Press [#] to secure your choice.
7. Press [B] to go to the next schedule and repeat steps 5 and 6.
8. When you've finished with all 15 time schedules, press [*] + [7] + [#] to exit user programming.

**To receive a page upon system arm *and* disarm:**

1. Complete the steps previously described for Latchkey Opening.
2. Complete the steps previously described for Latchkey Closing. Use the same time schedules for both.

**To turn on/off Latchkey Paging:**

- Within 5 seconds of arming, press 6. The touchpad displays, "LATCHKEY PAGER ON" or "LATCHKEY PAGER OFF."

## Notify by Exception

**To receive a page when the system has *not* been disarmed:**

1. Press [9] + [C][O][D][E] (System Master or Partition Master code).
2. Press [B] until the touchpad displays "ATTACH SCHEDULES TO EVENTS," then press [#].
3. Press [B] until the touchpad displays

"EXCEPTION OPENING."

4. Press [#]. The touchpad displays the first time schedule, "SCHEDULE 00 OFF," for example.
5. Enter [2] to assign the time schedule or [1] to make the time schedule inactive for this event.
6. Press [#] to secure your choice.
7. Press [B] to go to the next time schedule and repeat steps 5 and 6.
8. When you've finished with all 15 time schedules, press [*] + [7] + [#] to exit user programming.

**To receive a page when the system has *not* been armed:**

1. Press [9] + [C][O][D][E] (System Master or Partition Master code).
2. Press [B] until the touchpad displays "ATTACH SCHEDULES TO EVENTS," then press [#].
3. Press [B] until the touchpad displays "EXCEPTION CLOSING."
4. Press [#]. The touchpad displays the first time schedule, "SCHEDULE 00 OFF," for example.
5. Enter [2] to assign the time schedule or [1] to make the time schedule inactive for this event.
6. Press [#] to secure your choice.
7. Press [B] to go to the next time schedule and repeat steps 5 and 6.
8. When you've finished with all 15 time schedules, press [*] + [7] + [#] to exit user programming.

## Identifying the System Version

**To identify the version of your system panel:**

1. Press [9] + [C][O][D][E] (System Master or Partition Master code).
2. Press [B] until the touchpad displays "SYSTEM VERSION *nnn*nnnn*." Make a note this information.
3. Press [*] + [7] + [#] to exit user programming.

## Controlling Lights (Optional)

**To turn *all* lights on or off:**

- Press LIGHTS ON button twice/ press LIGHTS OFF button twice,

  *or,*
- press 0 + 0 (toggles lights),

  *or,*
- press the lights button an a 4-button keychain touchpad (toggles lights).

**To turn a *specific* light on or off:**

- Press 0 + light number*
  *(Feature not available to a 4-button keychain touchpad.)*

*Refer to the User Sheet in Appendix A to determine which light number is associated with which lamp.

**To schedule lights:**

1. Press [9] + [C][O][D][E] (System Master or Partition Master code).
2. Press [B] until the touchpad displays "ATTACH SCHEDULES TO EVENTS," then press [#].
3. Press [B] until the touchpad displays the light number you would like to schedule. (Refer to the User Sheet in Appendix A to determine which light number is associated with which lamp.)
4. Press [#]. The touchpad displays the first time schedule, Schedule 00.
5. Enter [2] to assign the time schedule (on) or [1] to make the time schedule inactive (off) for this light.
6. Press [#] to secure your choice.
7. Press [B] to go to the next time schedule, if needed, and turn the schedule on or off for this light.
8. When you've finished assigning time schedules, press [*] + [7] + [#] to exit user programming.

## Emergency Lighting

System lights play an important role in emergency situations.

- After arming or disarming the system, selected system lights turn on for 5 minutes, giving you ample light and time to see your way.
- During a fire alarm, system lights turn on and stay on to help you exit quickly and safely.
- During an intrusion alarm, system lights flash on and off to scare off intruders and draw attention to the premises.

## Testing the System

**To perform a system test:**

1. Contact the central monitoring station to let them know you will be testing the system.
2. Press [8] + [C][O][D][E] (System Master or Partition Master code).
3. Press [3]. Alphanumeric touchpads display, "SENSOR TEST." The system gives you approximately 15 minutes to finish testing. If you need more time, _____. Every 60 seconds the system will sound a short beep and announce sensor test is on.
4. Trigger an alarm by tripping each sensor one by one. If the sensor is working, alphanumeric touchpads will display an OK message:
   - Create a police panic alarm, see "POLICE PANIC OK."
   - Create a fire alarm, see "FIRE PANIC OK."
   - Create an auxiliary alarm, see "AUXILIARY PANIC OK."
   - Open doors and windows containing sensors, see "SENSOR *nn* OK."
   - Create movement in front of motion detectors, "SENSOR *nn* OK."
   - Press the test button on smoke detectors, "SENSOR *nn* OK."
   - Press the test button on fire alarms, "SENSOR *nn* OK."
5. After all sensors are tested, press [1] + [C][O][D][E] to exit testing.
6. Continue testing the other components, or contact the central monitoring station to let them know that you have finished testing.

If a sensor is not working properly, you will receive the following message, "_____ _____ _____."

**To test a touchpad:**

## Performing a Phone Communication Test

The purpose of this test is to verify that the connection between the central monitoring station and your system are working properly.

Most phone tests take only a few minutes, however, your system will try for up to 15 minutes to establish a connection.

You should perform a phone test weekly. Make certain that you contact the central station before performing the test so they know this is not an alarm.

After the test has started, the arming level can be changed to level 1 then to level 2 or 3 if you wish. The phone test will continue whether or not the display reads PHONE TEST.

**To perform a phone test:**

1. Contact the central monitoring station to let them know you will be testing the system.
2. Disarm the system ([1] + [C][O][D][E]).
3. Press [8] + [C][O][D][E] (System Master or Partition Master code).
4. Press [2]. Alphanumeric touchpads display, "_____."
5. 
6. 
7. Continue testing the other components, or contact the central monitoring station to let them know that you have finished testing.

If service is required, contact:

_____

_____

**To test the Supervised Wireless Siren:**

# SECTION 21: TROUBLESHOOTING

## Security System Sounds

Your security system uses a variety of different alarm sirens, status beeps, voice messages, trouble beeps, and indicator lights to communicate with you. The next few pages describe the different sounds and what they mean. Try to familiarize yourself with the differences. You will hear some sounds each time you tell your security system to do something, like arm or disarm. Some sounds you will hear only when there is a problem with the system, like a low battery. And, there are sounds you will only hear in an emergency. Getting to know your system sounds allows you to react quickly and appropriately to the messages you hear.

### *Sounds You'll Hear When an Alarm Is Tripped*

Exterior and interior sirens produce different alarm sounds that indicate the conditions described below.

**Table 1. Exterior and Interior Siren Sounds**

Table will follow...

If a police alarm is sounding and then a fire alarm is tripped, the fire alarm overrides the police alarm. The police and fire alarms override an auxiliary alarm.

Sirens will "time-out" (shut off) after sounding for a certain length of time. The default siren time-out is 4 minutes. This means that after an alarm has gone off, the sirens will stop ringing after 4 minutes. The alarm is still in progress after the sirens time-out, until you manually disarm your system. Your installer can set the siren time-out anywhere from 1 minute to 30 minutes.

### *Sounds You'll Hear When Operating Your System*

The touchpad with display (alphanumeric) and all interior sirens and piezos (speakers) produce operating beeps and trouble beeps to tell you what your system is doing or if there is a problem. The table below describes the operating and trouble beeps you may hear from your system.

### *Sounds You'll Hear if There Is a Problem with Your System*

This table describes the conditions under which trouble beeps occur and when they begin. (These sounds are heard from interior sirens and touchpads if available.)

## Silencing Trouble Beeps

Pressing the STATUS button on a touchpad, pressing # + * from any phone, or changing the arming level while the system has a trouble condition stops trouble beeps and voice messages. Trouble beeps begin again 10 hours later unless the trouble condition is resolved.

## Troubleshooting Problems

This section contains a summary of system troubleshooting techniques.

## Troubleshooting System Problems

# APPENDIX A: USER SHEET

The User Sheet is to be filled in by the installer. It contains specific information about the setup of your system.

**System Sensors**

Record the sensor number and name in the table below. Indicate whether it is a hardwired or wireless sensor.

| No. | Sensor Name | HW /WL | No. | Sensor Name | HW /WL | No. | Sensor Name | HW /WL |
|---|---|---|---|---|---|---|---|---|
| 01 | | | 27 | | | 53 | | |
| 02 | | | 28 | | | 54 | | |
| 03 | | | 29 | | | 55 | | |
| 04 | | | 30 | | | 56 | | |
| 05 | | | 31 | | | 57 | | |
| 06 | | | 32 | | | 58 | | |
| 07 | | | 33 | | | 59 | | |
| 08 | | | 34 | | | 60 | | |
| 09 | | | 35 | | | 61 | | |
| 10 | | | 36 | | | 62 | | |
| 11 | | | 37 | | | 63 | | |
| 12 | | | 38 | | | 64 | | |
| 13 | | | 39 | | | 65 | | |
| 14 | | | 40 | | | 66 | | |
| 15 | | | 41 | | | 67 | | |
| 16 | | | 42 | | | 68 | | |
| 17 | | | 43 | | | 69 | | |
| 18 | | | 44 | | | 70 | | |
| 19 | | | 45 | | | 71 | | |
| 20 | | | 46 | | | 72 | | |
| 21 | | | 47 | | | 73 | | |
| 22 | | | 48 | | | 74 | | |
| 23 | | | 49 | | | 75 | | |
| 24 | | | 50 | | | 76 | | |
| 25 | | | 51 | | | | | |
| 26 | | | 52 | | | | | |

## User Codes

Record the System Master and Partition Master codes in the table below:

| | Code |
|---|---|
| System Master | |
| Partition Master 1 | |
| Partition Master 2 | |

## Arming Information

*Is Quick Arm on?*

☐ Yes. Simply press the arming level desired.

☐ No. Enter arming level, then access code.

The Delay door(s) is located:

_____

_____

_____

The Entry Delay is set for _____ seconds.

The Exit Delay is set for _____ seconds.

*Does Partition 1 use keyswitch arming?*

☐ Yes. The switch is located:

_____

_____

☐ No.

*Regular User Codes*

In the table below, make a check mark in the:

– ***L*** column if the user has Latchkey capabilities.

– ***B*** column if the user can bypass sensors.

– ***R*** column if the user has remote access to the system.

– ***P*** column if the user can change partitions.

– ***S*** column if the user can perform a system test.

| | L | B | R | P | S | Code | | L | B | R | P | S | Code | | L | B | R | P | S | Code | | L | B | R | P | S | Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | | | | | | | 15 | | | | | | | 30 | | | | | | | 45 | | | | | | |
| 01 | | | | | | | 16 | | | | | | | 31 | | | | | | | 46 | | | | | | |
| 02 | | | | | | | 17 | | | | | | | 32 | | | | | | | 47 | | | | | | |
| 03 | | | | | | | 18 | | | | | | | 33 | | | | | | | 48 | | | | | | |
| 04 | | | | | | | 19 | | | | | | | 34 | | | | | | | 49 | | | | | | |
| 05 | | | | | | | 20 | | | | | | | 35 | | | | | | | 50 | | | | | | |
| 06 | | | | | | | 21 | | | | | | | 36 | | | | | | | 51 | | | | | | |
| 07 | | | | | | | 22 | | | | | | | 37 | | | | | | | 52 | | | | | | |
| 08 | | | | | | | 23 | | | | | | | 38 | | | | | | | 53 | | | | | | |
| 09 | | | | | | | 24 | | | | | | | 39 | | | | | | | 54 | | | | | | |
| 10 | | | | | | | 25 | | | | | | | 40 | | | | | | | 55 | | | | | | |
| 11 | | | | | | | 26 | | | | | | | 41 | | | | | | | 56 | | | | | | |
| 12 | | | | | | | 27 | | | | | | | 42 | | | | | | | 57 | | | | | | |
| 13 | | | | | | | 28 | | | | | | | 43 | | | | | | | 58 | | | | | | |
| 14 | | | | | | | 29 | | | | | | | 44 | | | | | | | 59 | | | | | | |

*Is Extended Delay in use?*

☐ Yes. My system uses the Extended Delay.
The Extended Delay is set for _____ .
These items use the Extended Delay:

_____

_____

_____

_____

☐ No. My system does not use the Extended Delay.

## Dialer Delay

*Is the Dialer Delay feature enabled?*

☐ Yes. I have ____ seconds to cancel an alarm before it is reported to the central station.

☐ No. All alarms are reported to the central station immediately.

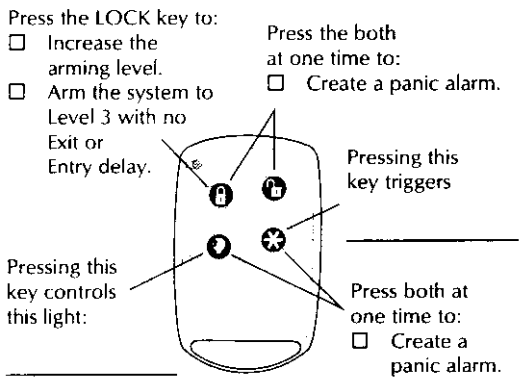
## Keypad Information

*What kinds of touchpads are in my system and what features are enabled?*

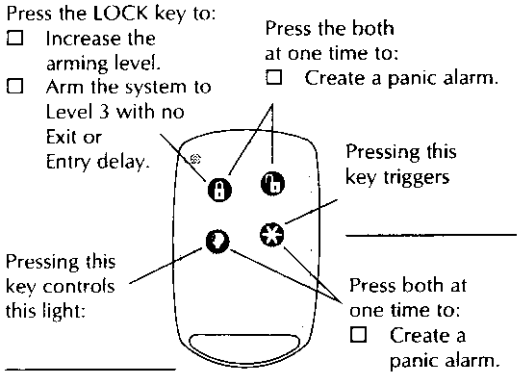
| Type | Location | Quiet Touchpad | Key Beeps |
|---|---|---|---|
| | | Y/N | Y/N |
| | | Y/N | Y/N |
| | | Y/N | Y/N |
| | | Y/N | Y/N |
| | | Y/N | Y/N |
| | | Y/N | Y/N |
| | | Y/N | Y/N |
| Keychains | (see following) | | |

*There are _____ keychain touchpads in use in the system.*

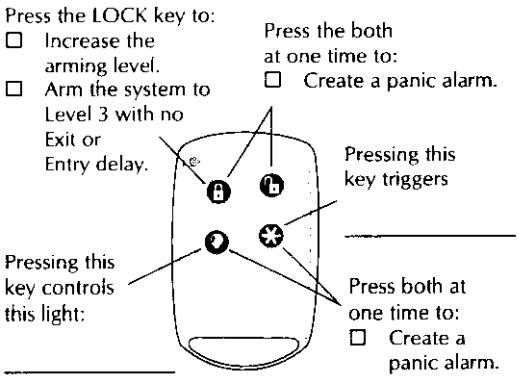
Touchpad 1




Touchpad 2




Touchpad 3



**Audio Verification Module and Silent Talkback:**

In the event of a fire alarm ...
[who can talk to whom? Talk to CS and/or listen to premises?]

In the event of a police alarm ...
[who can talk to whom?]

In the event of an auxiliary alarm ...
[who can talk to whom?]

**Time Schedules**

| | Start/Stop Time | M | T | W | Th | F | S | Su |
|---|---|---|---|---|---|---|---|---|
| 00 | | | | | | | | |
| 01 | | | | | | | | |
| 02 | | | | | | | | |
| 03 | | | | | | | | |
| 04 | | | | | | | | |
| 05 | | | | | | | | |
| 06 | | | | | | | | |
| 07 | | | | | | | | |
| 08 | | | | | | | | |
| 09 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |

| | Start/Stop Time | M | T | W | Th | F | S | Su |
|---|---|---|---|---|---|---|---|---|
| 00 | | | | | | | | |
| 12 | | | | | | | | |
| 13 | | | | | | | | |
| 14 | | | | | | | | |
| 15 | | | | | | | | |

**Paging**

For what events will the central station or pagers be notified?

| Reporting Features | CS | Pagers | | | | |
|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 |
| **High Level Reports** | | | | | | |
| **Low Level Reports** | | | | | | |
| **Opening/ Closing Reports** | | | | | | |
| **Latchkey Reports** | N/A | | | | | |
| **Exception Reports** | | | | | | |

*Is the Streamline feature enabled?*

☐ Yes. The pages will not include the account number.

☐ No. All all pages will include the account number.

## Lights

The housecode for the X-10 modules is: _____

Record the location of each light.

| Light No. | Location of Light |
|---|---|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |

## Supervised Wireless Interior Siren (SWIS)

The housecode for the SWIS module is: _____

## Energy Saver

The low setpoint is currently set for _____ degrees.

The high setpoint is currently set for _____ degrees.

## If the Power Goes Out

Your system has a backup battery that keeps your system operational during a power failure. An optional feature allows your system to alert the central monitoring station if the power is off for more than 15 minutes. It reports again when power has been restored.

Simply press the arm button to arm the system. Press the disarm button to disarm the system. (Pressing both at the same time sends a panic signal to the central monitoring station.)

## Resetting Smoke Detectors

After an alarm, wireless smoke detectors automatically reset themselves after all smoke has cleared.

## No Activity Time

My system uses the No Activity feature.

☐ Yes. If there is no activity in my system for ____ hours (12-99, default 24), the system will send a No Activity report to the Central Station.

☐ No. My system setup does not include this feature.

## In the Event of a False Alarm

*Fire Alarm*

*Police Alarm*

*Auxiliary Alarm*

## Resetting the Smoke Detector

*To reset the smoke detectors:*

☐ It is reset automatically.

☐ Press the reset switch.

# APPENDIX B: PLANNING FOR EMERGENCIES

This section describes what you can do to plan ahead for an emergency.

## Emergency Planning

Since an emergency is always unexpected, you should develop plans to help prepare for a variety of emergency situations. Periodically discuss and rehearse emergency plans that include the following:

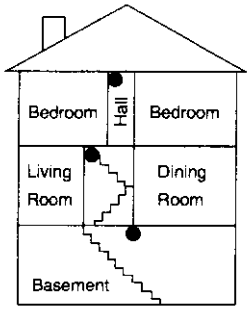
- Understand how to use your security system.
- Know the normal state of doors and windows; open, closed, or locked.
  Escape fast! (Do not stop to pack.)
- Use a different escape route if closed doors feel hot to the touch.
- Use a different escape route if closed doors feel hot to the touch.
- Crawl and hold your breath as much as possible to help reduce smoke inhalation during your escape.
- Meet at a designated outdoor location.
- Emphasize that no one should return to the premises if there is a fire.
- Notify fire department from a neighbor's phone.

Emphasize that no one should enter the premises if they hear sirens.

If you arrive at the premises and hear sirens, do not enter. Call for emergency assistance from a neighbor's phone.

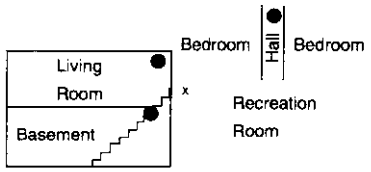
## Floor Plan Example

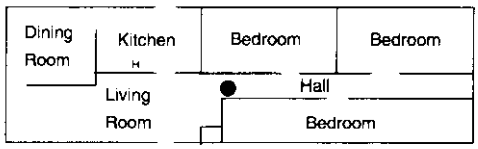
The figure below is an example of a multilevel floor plan. Use this example as a guide and draw your floor plan on the next page.



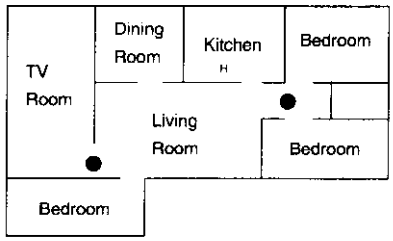

A smoke detector should be located on each level.

● Required smoke detector
H Heat detector
X Indicates smoke detector is optional if door is not provided between basement and recreation rooms.




Smoke detectors shouldbe located between the sleeping area and the rest of the family living unit.




In family living units with more than one sleeping area, locate a smoke detector at each area.

NOTE: Ceiling-mounted smoke detectors should be located in the center of the room or hall, or not less than 4 inches from the wall. When the detector is mounted on the wall, the top of the detector should be 4 to 12 inches from the ceiling.

NOTE: Do not install smoke detectors where normal ambient temperatures are above 100°F or below 40°F. Also, do not locate detectors in front of AC/ Heat registers or other locations where normal air circulation will keep smoke from entering the detector.

NOTE: Additional information on household fire warning is available at nominal cost from: The National Fire Protection Association, Batterymarch Park, Quincy, MA 02269. Request Standard No. NFPA74.

**Your Floor Plan**

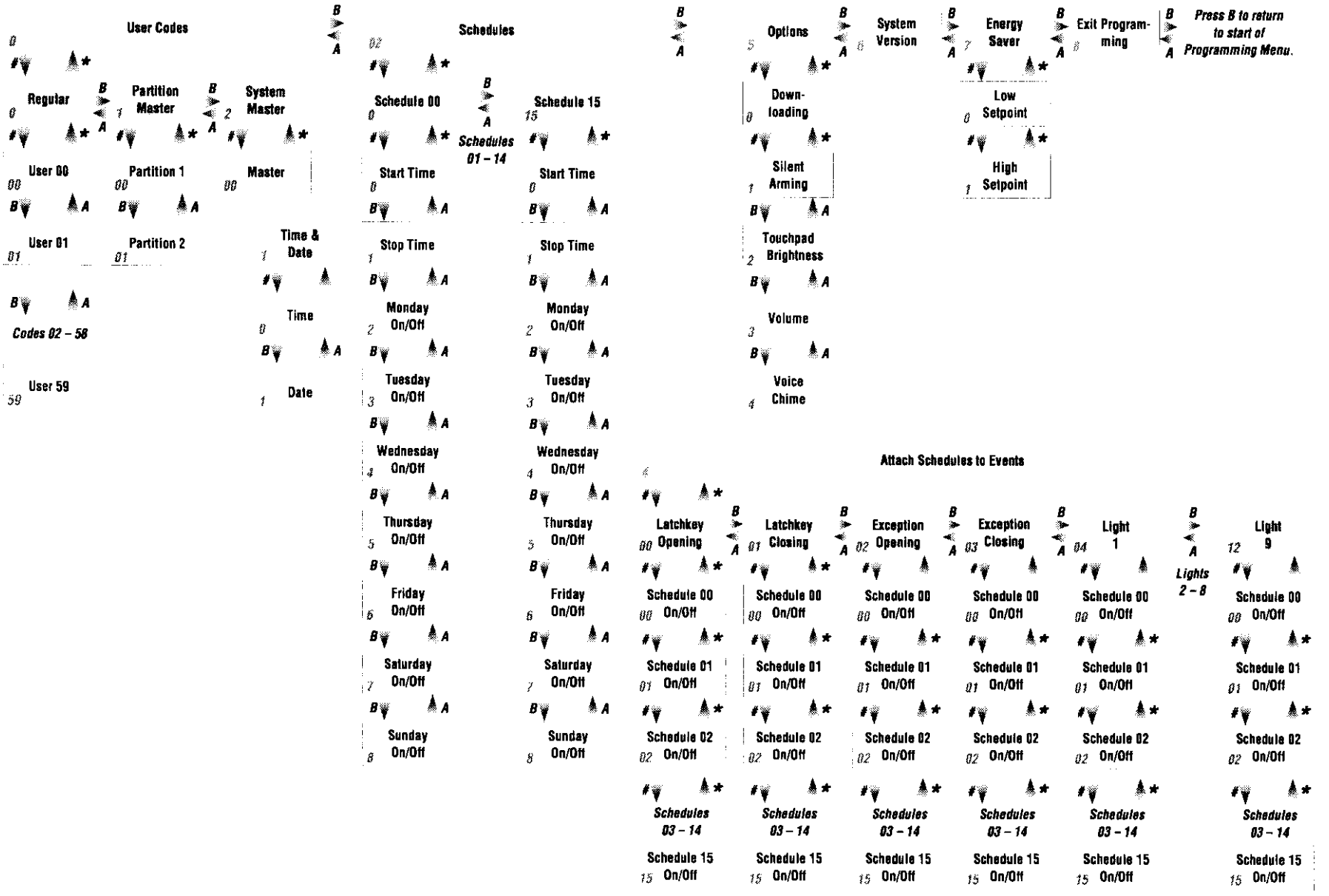
Use the following guidelines when drawing your floor plan:

- ☐ Show all building levels.
- ☐ Show exits from each room (two exits per room are recommended).
- ☐ Show the location of all security system components.
- ☐ Show the locations of any fire extinguishers.

# APPENDIX C: PROGRAMMING SHORTCUTS

After you feel comfortable with programming the various system features, you may find it easier and faster to use these programming shortcuts.

*To enter the Programming Menu, press* [9] *+ Master Code*



WIRELESS

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