

ProVisor 1000 Security System

User's Manual



capricorn
electronics, inc.



**THIS BOOKLET CONTAINS CONFIDENTIAL INFORMATION
ABOUT YOUR SECURITY SYSTEM. KEEP IT IN A SECURE PLACE.**

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System Overview



A security system is not a substitute for adequate insurance coverage, vigilance, and preparedness. A security system cannot prevent emergencies. You should have plans of action in the event of fire, intrusion, or any other emergency.

Your new security system has many advanced features, yet it is easy to operate and understand. It has been customized by your dealer for your home or business. This booklet explains the system and tells you what to do when the system gives you a visual or audible message.

All system functions are controlled by keypads that are wired into the control panel. The control panel is mounted out of sight in a metal box. It receives alarm information from sensors located around your home. These sensors can be either wireless transmitters or devices wired directly to the control.

Your system is a "supervised" system. This means that most sensors communicate with the control on regular intervals. The control monitors the status of its sensors and will warn you about open doors and windows when you try to arm your system. Being supervised, it will also advise you about low batteries and other trouble conditions needing your attention.


Your installer has filled in the **System Information** pages at the end of this manual with pertinent facts about your particular system.



Optional features are indicated by checked boxes to show how your system is configured. Other options may be listed on the **Notes** page at the end of the manual.

KEYPAD MESSAGES

Wired keypads display the status of your system and give you information about open doors or other conditions that may require your attention. The keypad also displays step by step directions to help you operate the system.


Keypad text preceded by an arrow, such as →**CLEAR**, means to press the key with that name. For messages like →**V**, press the key whose name begins with that letter. In this case you would press .



ZONES AND SENSORS

Each protected area in your home is called a zone. A zone may consist of a single sensor such as a transmitter protecting a door or a smoke detector in the hallway. Another zone might have several sensors wired together to guard each window in a room.

All zones are assigned a number. You will be able to give a unique description to each zone in your home.



System Maintenance

Page 9 of this booklet contains instructions on how to test your system. Have your installer go over the system until you are familiar with its operation and know how to test each part. Keep instruction sheets for accessory components with this booklet.



No electronic product can perform better than the care and maintenance it receives. The manufacturer of this equipment strongly urges that you and your dealer enter into a periodic service agreement. That way, experienced technicians can help assure that your system is always operating properly.

Monitoring Service (Canceling Accidental Alarms)

No Service

Your monitoring service receives reports sent by telephone in the event of alarms or system trouble. They will then alert the appropriate authorities. The monitoring service may call you to verify a report. Sometimes, it may be possible for you to stop an accidental alarm before a report is sent. See **Canceling Reports** on the next page.

Your installer should contact the monitoring service and demonstrate how to cancel an alarm for you. The monitoring service is staffed with helpful personnel who will assist you if you need to cancel an alarm yourself. You may be charged a fee by local authorities if emergency vehicles respond to an unintentional alarm.

User Codes 1 2 3 4

User Codes are four-digit codes entered at wired or wireless keypads. These codes allow you to arm, disarm, and change certain features of your system. There are several types of User Codes. They are discussed in **Changing User Codes** on page 10.

Once a code is started, you have 10 seconds to finish. If you make a mistake, simply press **CLEAR** and start over.



The **Master User Code** is your personal code. It has access to all system functions and can change the other User Codes. It comes from the factory set to **1-2-3-4** so that you can initially use the system. When your installation is completed, change the factory code to one known only by you. See page 10 to change the code.

Responding To Alarms



Your system alerts you of a prior burglary alarm by sounding a series of loud warning beeps when you enter your home. The beeps also occur when you disarm from outside with a portable transmitter. Leave immediately and contact the authorities.

Alarms are triggered by the sensors and keypads placed around your home. Some zones such as fire and police are armed all the time and provide 24 hour coverage. Burglary zones cause alarms only when burglary protection is turned on.

Silencing Alarms To stop the alarm sirens, enter a **User Code** or press the **DISARM** button on a portable transmitter. If your system's burglary protection was on, it will turn off. The source of the alarm will be displayed on wired keypads.

Z04 BURGLARY
KITCHEN DOOR

Custom Message While viewing the alarm display, press **VIEW** to see your custom message for 10 seconds (see page 11). Your installer can restrict some users from seeing this message.

1-800-555-1234
PASSWORD-FLUFFY

FIRE ALARMS

Wired smoke detectors in your system "latch" when they trip into alarm. See page 8 to unlatch them.

Z01 FIRE LATCHED
HALLWAY SMOKE



After silencing a fire alarm, you must clear the smoke from the detector (and unlatch it if it is wired) to stop the detector's sounder. **If you do not do this within 3 minutes after stopping an accidental alarm, the alarm will retrip one more time.**

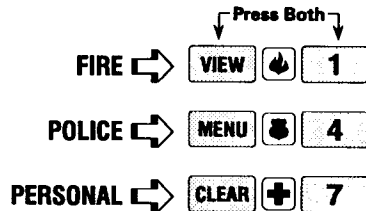
CANCELING REPORTS

- Non-Fire Alarms can be canceled** You can cancel a monitoring station report if you stop an **audible** alarm within 20 seconds. By silencing an accidental alarm quickly, you can prevent it from being reported. When the letters "RC" are added to the alarm information, the report was canceled.
- Fire Alarms can be canceled**

Z04 BURGLARY RC
KITCHEN DOOR
Report Canceled

Keypad Alarms

You can trigger a keypad alarm by simultaneously pressing the keys on each side of the emergency symbol until the alarm sounds. Your installer may disable an alarm and remove its sticker.



MANUAL FIRE ALARM



Should a fire emergency occur before a smoke detector senses the problem, go to the nearest keypad and manually trip an alarm if it is safe for you to do so.

Burglary Protection

Your system's burglary zones are routinely armed (turned on) and disarmed (turned off) by you during the day. Perimeter zones protect windows and doors. They are active whenever the system is armed (you can be either at home or away). Interior zones protect the inside of your home and are typically armed only when you are away.

EXIT AND ENTRY DELAYS

When you arm your system, an **exit delay** gives you time to leave through designated doors without setting off an alarm. The system beeps for the last 10 seconds.

ARMED AWAY
YOU MAY EXIT NOW

When you return home and open a door, a "**pre-alarm**" tone sounds. This reminds you that the **entry delay** time is running and you must disarm to prevent an alarm. The tone changes to beeps for the last 10 seconds.

ENTRY DELAY
ENTER USER CODE

Every time you leave home, be sure that the exit door is closed. If it is not closed before the exit time expires, the **pre-alarm** will begin immediately. You must disarm the system to prevent an alarm from starting when the **entry delay** time expires. Your usual entry time is automatically doubled when this condition occurs.

EXIT ERROR ALERT - All speakers beep to warn you of the above situation.

EXTENDED EXIT/ENTRY DELAYS

You and your installer can select a second set of exit and entry times for your system. How they work is explained below. The example uses a side door with 30 second delays and a garage door with 4 minute delays.

1. Arm your system. You have 30 seconds to exit through the side door and 4 minutes to exit through the garage door. If a door is not closed when its exit time expires, the entry pre-alarm (or exit error alert) will begin.
2. When you return home and open a door, the entry pre-alarm starts. If you open the side door first, you have 30 seconds to disarm. If you open the garage door and then the side door, the 4 minute delay is canceled and you have 30 seconds to disarm.

ARMED MODES

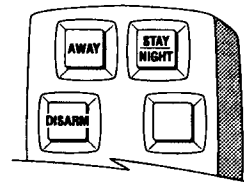
Away 

AWAY

Stay 

STAY
NIGHT

Burglary zones can be armed to three different modes by pressing keypad keys or portable transmitter buttons. The modes are **AWAY**, **STAY**, and **NIGHT**. The keypad's lights indicate the active mode. The **NIGHT** mode has both lights on.



TURNING BURGLARY PROTECTION OFF

DISARM

To disarm, enter a **User Code** or press the **DISARM** button on a handheld transmitter.

TURNING BURGLARY PROTECTION ON

The following examples assume the system is disarmed and that all doors and windows are closed. If the ready message is not displayed, see the next page.



Arm to AWAY

Press **AWAY**. All perimeter and interior zones arm and the exit delay begins. You should leave now. When you return home, the entry pre-alarm will begin.



Arm to STAY

Press **STAY NIGHT**. All perimeter zones arm. Interior zones are off. Exit and entry times are active whether you leave or not. The entry delay begins if a delay door is opened after the exit time expires.



Note: You and your installer can choose to disable some of the entry/exit beeps and tones so that they do not sound during the **STAY** mode.

New Exit Delays

To leave your home or to let visitors in without disarming, press **STAY NIGHT** to start a new exit delay. A portable transmitter button can also start a new exit time.

Cancel Delays

To arm without exit and entry times, press **CLEAR** during the exit delay. This will cancel all delays. To start a new set of delays, press **STAY NIGHT**.



Arm to NIGHT

Double press **STAY NIGHT**. All perimeter zones arm. Selected interior zones (if any) not normally entered at night will arm. An instant alarm sounds if a door is opened.



While the system is armed to either **STAY** or **NIGHT**, you may freely switch back and forth between them. You may also switch to the **AWAY** mode where a new exit time will begin. **Note:** Once the system is in the **AWAY** mode, it must be disarmed before you can go to **STAY** or **NIGHT**.



This keypad method works like "single-key" arming except that you must enter a **User Code** after pressing **AWAY** or **STAY NIGHT**. Portable transmitters work as discussed above.

Making Your System Ready To Arm

The **NOT SECURE** message appears when your system is disarmed and there is an open burglary zone. If the only unsecured zone is an interior zone, the system can be armed to **STAY** since interior zones are not active in that mode. You can also arm to **NIGHT** if the interior zone is not part of its protection.

ZONES NOT SECURE
→V FOR OPENS

Z04 OPEN
KITCHEN DOOR

When a zone needs to be secured before arming, protest beeps will sound if you attempt to arm. You must either secure the zone or bypass it. See **Bypassing Zones** on page 9 for information on bypassing.

The **NOT SECURE** message also occurs for **ZONE FAILURE** and **ZONE NOT READY** troubles. See page 13 for a description of these conditions. You must correct the problem or bypass the zone to be able to arm.

QUICK BYPASS

You can bypass an open, **perimeter** burglary zone by pressing the **0** key before you press the arm key. Quick bypassing would allow you to easily arm the system while leaving an upstairs window open.

AWAY 0 STAY
NIGHT

↶ + ↷ ↶ + ↷

Quick Bypass

Bypasses remove part of your system's protection. You should not use Quick Bypass unless you know exactly which perimeter zones are open. All bypassed zones automatically unbypass when you disarm.

Using The Keypad View Mode

General information concerning your system is shown on the bottom line of the keypad's display. Open zones, bypassed zones, and trouble conditions are listed there. When a detailed description is available, the **→V** command appears with the message.

Press **VIEW** repeatedly until you step through all the information. When a single zone has more than one piece of information, it will alternate on the display.

READY TO ARM
→V ZONE TROUBLE



Z04 LOW BATTERY
KITCHEN DOOR



Z16 TAMPER
SALLY'S WINDOW

System Advisory Tones (SAT's)

SAT's are short beeps that sound from the keypads and speakers inside your home.

ARM/DISARM SAT's

These SAT's are heard while arming and disarming your system. The beeps confirm your actions when you arm with a wireless keypad or portable transmitter.

- 1 Beep = **Away Mode**
- 2 Beeps = **Stay Mode**
- 2 Sets of 2 Beeps = **Night Mode**
- 3 Beeps = **System is disarmed**

STATUS Request Some transmitters have a **STATUS** button to sound the current mode's SAT beeps. You can press the button from outside your home to check on your system. If a burglary alarm occurred in your absence, a series of loud warning beeps will sound.

CHIME SAT's

A "**Chime**" is the tone that sounds when a perimeter door or window is opened while the system is disarmed. Your installer can make one of your doors chime twice so you are able to distinguish between a front door and a back door. The **Chime** function is turned on and off in the **Menu Mode**. See page 8.

PROTEST SAT's

Protest SAT's are 4 quick beeps that sound every 15 seconds. **Protests** begin when a new keypad message is displayed which requires your attention.

→CLEAR (EndBeep)
ZONE TROUBLE

Reminder Protests Whenever trouble messages are displayed, **Protests** are added at the end of the arm/disarm SAT's. They serve to remind you that a problem has not been resolved.

Arming Protests **Protests** occur anytime you attempt to arm and the system is not ready. For example, **Protests** would sound if you tried to arm to **AWAY** with an open window.

EXTERIOR CHIRPS

Your system can be armed and disarmed from outside with a portable transmitter. To confirm your actions, the exterior alarm sirens will "chirp" in the same 1, 2, or 3 patterns as the normal arm/disarm SAT beeps.

Using The Keypad Menu Mode

All system functions not related to arming and disarming are found in the Menu Mode. Press **MENU** to step to the menu item you want. Your installer can restrict certain User Codes so that children or temporary users cannot access the menu.

Most menu operations are performed by following the directions on the screen. Typically, **→M** steps to the next item, **→V** executes an action, and **→C** ends what you are doing. Additional messages will pop up on the screen to help you.

Z04 BYPASS?
NX→M YES→V END→C

The menu is arranged in the following order:

↓
BYPASS ZONE
ENTER USER CODE

You can temporarily disable a zone in your system. See the next page for a more detailed explanation.

↓
TO RESET LATCHED
FIRE PRESS #1

This resets a wired smoke detector after an alarm. This menu item appears only when your system has this type of detector.

↓
CHIME IS ON
ENTER USER CODE

Enter a User Code to turn the chime on and off. The chime sounds when a door or window is opened on the perimeter of your home.

↓
TEST MODE
ENTER USER CODE

You can test individual components in your system. See the next page for more details.

↓
VIEW ALARM LOG
ENTER USER CODE

You can review information about recent alarms. If the alarm's monitoring report was canceled, the letters "RC" are added. See page 3. The log clears in 14 days.

↓
CHANGE USERCODES
ENTER MASTERCODE

Access is by **MASTER Code** only. You can modify the different User Codes in your system. See **Changing User Codes** on page 10 for more details.

↓
CHANGE SETUP
ENTER MASTERCODE

Access is by **MASTER Code** only. You can change zone descriptions or the keypad tone. See **Changing Your Setup** on page 11 for more details.

↓
VIEW MESSAGE
ENTER USER CODE

You can call up the custom message created in the **CHANGE SETUP** menu above. This message can also be viewed after an alarm. See Page 3.

Bypassing Zones (Access in Menu Mode)

Bypassing temporarily deactivates a zone and gives you access to a protected area. A bypassed zone reduces your security. Zones cannot be bypassed while the system is armed. Fire zones can never be bypassed.

How To Bypass At the bypass screen, enter the zone number, then →V to bypass it. Once a zone is bypassed, →M steps between bypassed zones (you can unbypass them) and the new bypass screen. When you finish, →C to exit.

Enter Zone Number

How To Unbypass If there are previously bypassed zones when you enter this menu, those zones display first. You can unbypass them by following the commands. You can →M to skip over these zones and go to the new bypass screen.

Z04BYP UNBYPASS?
 NX→M YES→U END→C

Automatic Unbypass Zones unbypass when you disarm the system. They also unbypass if you simply enter a User Code or press a **DISARM** button while the system is disarmed. Zones do not unbypass when a code is used to access the Menu Mode.

Testing Your System (Access in Menu Mode)



We recommend that you test your system weekly. Have your installer fully explain how to test each device. Call for immediate service should your system not test properly.

Alarms cannot occur while the test mode is active. Use the MENU key to step to the test you want then follow the screen commands to complete the test.

Test Sirens To sound the sirens for one second, →V. If your system has both inside and outside sirens, you may need someone outside to verify them. To go to the next step, →M.

TEST SIRENS?
 NX→M YES→U END→C

Hold For Fire Siren →



Everyone should become familiar with the Fire alarm siren. To briefly sound the siren, hold in the **VIEW** key for 3 seconds at the siren test screen. You should demonstrate the sirens each time you rehearse your family's fire plan.

Walk Test Zones To start zone walk tests, →V. A list of all zones in your system will begin to scroll through the display on every wired keypad in your home. As you activate a zone, a SAT tone sounds and that zone is removed from the list.

WALK TEST ZONES?
 NX→M YES→U END→C

Z04 UNTESTED
 KITCHEN DOOR

Continue testing until the all tested message appears. To exit walk test at anytime, →C. The system goes back to normal operation if no zones are tested for 10 minutes.

ALL ZONES TESTED
 END→C

(Testing Continued On Next Page)

NOTE: Some system transmitters may require special test procedures. For example, wireless motion detectors need several minutes of no movement between activations.

Test Comm Link To send a test call to your monitoring service, →**V**. When the test ends, the screen indicates passed or failed. **Note:** This step does not appear in the menu unless your installer has enabled the report.

```
TEST COMM LINK?  
NX+M YES+U END+C
```

Test Panel Battery To test the panel's backup battery, →**V**. The screen indicates passed or failed after thirty seconds. AC power must be on in order for this test to begin.

```
TEST PANEL BATT?  
NX+M YES+U END+C
```

Changing User Codes (Access in Menu Mode)

```
TEMPCODE USES 0  
TEMPCODE 7777  
MASTERCODE 1234  
USERCODE2 6683  
USERCODE3 0000  
USERCODE4 0000  
USERCODE5 0000  
USERCODE6 0000  
DURESSCODE 0000
```

The system has 8 different **User Codes**. They are arranged within the menu as shown to the left. Press the **MENU** key to step from one to another. Some codes have special features as described below. To disable a code, change it to **0000**.

To change a code, →**V** then enter the new code. The cursor steps as you make each entry. When you press the 4th digit, the keypad goes back to the beginning screen so you can review your entry.

```
USERCODE2 3456  
NX+M NEW+U END+C
```

```
USERCODE2 6683  
CANCEL+C
```

If needed, →**V** to try again. If everything is okay, →**M** for the next code or →**C** to exit.

```
USERCODE2 6683  
NX+M NEW+U END+C
```

MASTER CODE (User Code 1)

The **MASTER Code** is your personal code and is the only code with complete access to the system. It cannot be disabled. Keep a record of the code in a safe place.

```
MASTERCODE 1234  
NX+M NEW+U END+C
```

USER CODES 2-6

Five general **USER Codes** are available. They operate similarly to the **MASTER Code** except they do not have access to all menu functions.

```
USERCODE2 6683  
NX+M NEW+U END+C
```

Code 6 Restricted **USER Code 6** can be programmed to send pager messages. See **Paging Feature** on page 14. **Code 6** can also be configured by your installer to limit its access to certain system functions. See the **TEMP Code** next for these restrictions.

TEMPORARY CODE (User Code 7)

The **TEMP Code** can be set for a fixed number of uses from 0 to 9. The code is useful for allowing limited access to cleaning or repair people. The first screen shows how many uses remain (if any). To change, →**V**.

```
TEMPCODE USES 2  
NX+M NEW+U END+C
```

```
TEMPCODE 7777  
NX+M NEW+U END+C
```

Code Restrictions The **TEMP Code** has limited access to your system's functions. The restrictions are:

1. This code cannot access the **Menu Mode** or bypass a zone.
2. When this code is used to stop an alarm, your custom message will not appear if the **VIEW** key is pressed. A warning screen, "**REVIEW ALARM LOG**", is posted to inform you that an alarm occurred in your absence. The message clears when you access the log in the **Menu Mode** with a regular **User Code**.

DURESS CODE (User Code 8)

Entering this code sends a silent alarm to the monitoring service. Your installer must fully explain how they will respond. Choose this code carefully.

DURESSCODE 0000
NX→M NEW→U END→C

This code does not appear in the menu list unless you and your installer decide to enable it. **Note:** The **DURESS Code** cannot access the **Menu Mode**. If you enter it, the **INVALID CODE** message occurs and **NO** report is sent.

Changing Your Setup (Access in Menu Mode)

ZONES NAMES

MS1 Top Line
MS2 Bottom Line
↓
Z01 System Zone
Z02 System Zone
Z03 System Zone
↓
KP1 WiredKeypad
KP2 WiredKeypad

You can give a description to each zone and wired keypad in your system. In addition, you can create a custom message for viewing during alarms (see page 3) or Menu Mode (see page 8). The **MENU** key steps through a list of the zones and keypads in your system. **MS1** and **MS2** are the top and bottom lines of your custom message.

Use the keys indicated to enter a description of up to 16 characters. The **AWAY** and **STAY NIGHT** keys move the cursor. To select a letter or number, use the **1** and **3** keys to move back and forth through the characters until the one you want is displayed.

CHANGE ZoneNAME?
NX→M YES→U END→C

CHANGE SAT TONE?
NX→M YES→U END→C

< Move Cursor >
AWAY STAY NIGHT

Z04 NEXT→M END→C
KITCHEN DO_

Character Goes Above Cursor

, - . / 0 1 2 3 4 5 6 7 8 9 (Blank) ABCDE ... Z

1 < Select Character > 3

Press and hold any key in this menu to rapidly step through that key's action. When you are done with all the names, →C to exit.

KEYPAD SAT TONES

Each wired keypad can have its **SAT** tones individually adjusted. Go to this menu item at each keypad and →M until you hear a tone you like. **SAT's** can be turned completely off for a sleeping area, etc.

SAT LEVEL 3
NEXT→M END→C

CAUTION: At least one keypad or inside speaker must be enabled so that you can hear **Pre-alarms**, **SAT's**, and **Protest** beeps.

Responding To Trouble Conditions

When a trouble condition occurs, **Protest** beeps start, a trouble message appears and the keypad's **READY** light blinks. Press **CLEAR** to stop the beeps. Use the **VIEW** key for more details on zone problems.

→CLEAR (EndBeeP)
ZONE TROUBLE

When a problem cannot be corrected right away, a reminder message is displayed and **Protests** are tagged onto the end of all arm/disarm SAT's.

READY TO ARM
→V ZONE TROUBLE

AC POWER LOSS

The keypad's **POWER** light blinks and a message is displayed when AC power is lost. **Protest** beeps are delayed so they do not sound for brief power outages.

AC FAILURE

If your home still has power, check your circuit breakers and verify that the panel's transformer is plugged in properly. Call your dealer if you cannot fix the problem.

PANEL LOW BATTERY

A backup battery inside the panel takes over when AC power is lost. A low battery indication occurs when the battery has but a few hours of charge remaining. The battery recharges when AC power restores. If the message does not clear in 48 hours, call your dealer.

PANEL LowBATTERY

The backup battery is automatically tested every day. If the low battery message appears while AC power is on, the battery has failed the test. Call your dealer.

The useful service life of the control's backup battery is about 3 years. You should have your dealer replace the battery at the end of 3 years even if no problems have occurred.

TRANSMITTER LOW BATTERY

When a transmitter low battery message is posted, the **Protest** beeps are delayed for 24 hours or until the next time you arm or disarm. Transmitters should continue to operate for several more weeks. You can replace some batteries on your own. Others may require the help of your dealer.

Z16 LOW BATTERY
SALLY'S WINDOW



CAUTION: Before replacing batteries, review the next section on Tamperers.

The low battery message clears when the panel receives a signal after the battery is replaced. You may activate the transmitter yourself (open the door for example) or wait for an hourly check-in report.

TAMPER

Some transmitters send a trouble signal when their cases are opened. To prevent a trouble message, bypass the zone. To clear the message, replace the cover then activate the transmitter or wait for its hourly check-in report.

Z16 TAMPER
SALLY'S WINDOW

Transmitters that guard special areas (antique case, etc.) are usually armed all the time. They cause an immediate alarm if the case is opened. Bypass the zone first.

- Option: While your system is armed, opening a burglary transmitter case causes an immediate Burglary alarm. Replace batteries only when the system is disarmed.

COMMUNICATIONS FAILURE

The control panel has been unable to report to your monitoring service. Take appropriate action if an alarm is sounding. Call your dealer to resolve the problem.

COMM FAILURE

ZONE (or FIRE) NOT READY

Part of your 24 hour protection is not ready to sound an alarm. For example, you may have bypassed a silver cabinet's zone then forgotten to close the door before you unbypassed the zone. Similarly, a smoke detector may not be ready to sound an alarm because it still has smoke in it. Secure the zone to clear the trouble.

Z08 NOT READY
SILVER CABINET

Z02 FireNotReady
UPSTAIRS SMOKE

FIRE LATCHED

A wired smoke detector has been in alarm and is now latched. Go to the **Menu Mode** and reset it.

Z01 FIRE LATCHED
HALLWAY SMOKE



ZONE (or FIRE) FAILURE

The transmitter connected to this zone has failed to report to the control during the last 8 hours. This may be caused by a missing or inoperative transmitter. Check the transmitter and call for immediate service if needed.

Z04 ZONE FAILURE
KITCHEN DOOR

If this is a wired smoke detector zone, there is a wiring problem. You have no fire protection on this zone. Call you dealer as soon as possible.



SYSTEM FAULTS

Your system continuously monitors many of its internal circuits and can display a number of **FAULT** messages. These conditions indicate a serious problem and your system may not work as expected. Call your dealer.

FUSE FAULT

Lights

Your installer has set your system to turn on selected lights around your home. These lights can respond to alarms, exit and entry delays, or when you press a portable transmitter button. Details are recorded on the System Information pages.

Paging Feature



Information is sent to your pager after all programmed reports are made to your monitoring service. CAUTION: You cannot be certain that your pager will receive all of its messages. Therefore, a pager should never be used as your sole source of alarm notification.

You and your installer have selected the reports you want and checked the appropriate boxes below. Pager reports begin with a 4 digit number (**NNNN**) to identify your system then follow with a 3 digit event number. Typical pager applications might be:

1. Tell your children to enter **User Code 6** to let you know they have arrived home safely if you work late.
2. Give a repairman access to your home by programming **User Code 7 (TEMP Code)** for a single use. Have him press the **AWAY** key when he is done. You will get a pager report when he enters and leaves.

SYSTEM DISARM/ARM PAGING

- NNNN-005 (NNNN-115)** System disarm (arm) with User Code 5.
- NNNN-006 (NNNN-116)** System disarm (arm) with User Code 6.
- NNNN-007 (NNNN-117)** System disarm (arm) with User Code 7.

Coded Arming must be enabled to cause pager arming reports (see Page 5).
Exception: Whenever the system is disarmed with the **TEMP Code** (code 7), the **NNNN-117** message is sent if the system is re-armed by pressing the **AWAY** or **STAY** key. Coded Arming does not need to be enabled.

ALARM PAGING

- NNNN-911** Fire Alarm
- NNNN-912** Audible Police Alarm
- NNNN-913** Burglary Alarm
- NNNN-914** Medical Alarm
- NNNN-915** 24 Hour Special Alarm
- NNNN-916** Auxiliary Alarm

TROUBLE PAGING

- NNNN-501** AC Failure
- NNNN-502** Panel Fault
- NNNN-503** Transmitter or HW Zone Failure

Pager Examples

1212-006

User Code 6 Disarm

1212-913

Burglary Alarm

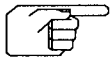
Fire Detection and Emergency Evacuation

Every family or business should take steps to establish a plan of escape if there is a fire. Discuss and practice the plan regularly with all residents. Your security system may not include fire detection depending on the options selected and the local regulations and codes for your area. Even so, follow the information given below.

Fire detection devices in place before your system was installed also require regular testing and upkeep. The buildup of common household dust can cause smoke detectors to fail when needed or to false alarm when no fire is present.

Smoke alarms should be installed according to National Fire Protection Association Standard 72 (see manual's back cover) except where state and local codes and ordinances differ with the standard. More information is available from the National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269.

As a minimum, use these steps to establish your fire evacuation plan:

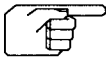


1. **Children tend to hide in times of crisis. Instruct them carefully.**
2. Have your installer explain and demonstrate the fire part of your system.
3. **BE PREPARED.** Perform regular fire drills. Everyone should recognize the alarm sirens, know the escape routes, and be able to respond properly to an actual alarm. See the **TEST MODE** (page 9) to demonstrate fire sirens.
4. Draw a floor plan and select at least two escape routes from each room. Show windows, doors, stairs, and rooftops that could be used for escape. Keep escape routes clear and post copies of the route in each room.
5. Pay particular attention to the bedrooms since many fires occur at night when everyone is asleep. It may be necessary to provide approved rope ladders for rooms above the first floor.
6. Establish a place outside where everyone can meet. Insist that all family members meet there. Emphasize that no one is to return to a burning building. Many tragedies occur when someone re-enters a house to look for a person who is actually safe.
7. Use your neighbor's phone to summon the fire department. Leave the job of extinguishing the fire to trained experts.

Be sure everyone knows:

1. **ESCAPE FAST. NEVER** stop to dress, pack or search for valuables.
2. In heavy smoke, hold your breath and stay low, crawling if necessary. Use a wet cloth to cover your mouth and nose.
3. Opening a closed door can be extremely hazardous. If you must go through a closed door, carefully feel the door and door knob. If they are relatively cool, brace your foot at the bottom of the door and open the door slowly. Be prepared to slam it shut if smoke or heat rushes in. If the door is hot, do not open it! Use another means of escape.

Things You Should Know About Radio Frequency Devices



Radio reception characteristics of the system may be changed when electronic devices, home computers, large appliances, mirrors, foil wallpaper, etc., are added or moved within the home. Consult with your dealer if you have any concerns when making changes of this nature.

Although radio transmission links have proven themselves by providing dependable communication, you need to understand their limitations and restrictions before using your system. Some areas you should be aware of are:

1. Never relocate a transmitter. Notify your installer so that any new location can be thoroughly tested.
2. Transmitters have limited power and therefore limited range because they must comply with FCC Rules and Regulations as Part 15 devices.
3. Receivers may be blocked by other signals occurring near their operating frequency.
4. Because conditions in your home may change, portable transmitters should be tested from all anticipated operating locations during both installation tests and routine customer tests.
5. Periodic testing will reveal any new source of interference or system failure.
6. The receiver can only respond to one transmitter signal at a time.

DEALER WARRANTY INFORMATION

The manufacturer of this equipment, Capricorn Electronics, Inc. (CEI), does not warranty these products to consumers. CEI's warranty extends only to wholesale customers who buy direct from CEI or through CEI's normal distribution channels. Consumer warranties and service arrangements, if any, are provided only by the dealer who installed your system and who is best equipped to maintain and service it. Consumers should ask their dealer about the extent of any dealer's warranties and/or maintenance agreements. There are no obligations or liabilities on the part of CEI for consequential damages arising out of or in connection with the use or performance of this product or other indirect damages with respect to loss of property, profit, revenue, cost of removal, installation, or re-installation. CEI makes no guarantee or warranty, including any implied warranty of merchantability or fitness regarding these products. A copy of CEI's complete dealer warranty is included with the system's installation instructions.

WARNING! This Alarm System Has Some Limitations

Capricorn Electronics, Inc. manufactures some of the most advanced security systems in the industry. However, no security system can guarantee to warn the end user in every case of fire, unauthorized entry, or other emergencies. Although Capricorn Electronics maintains high standards of quality, users should be aware that electronic components can fail at anytime.

An alarm system is not a substitute for vigilance and preparedness. Users should have plans of action in the event of fire, intrusion, or any other emergency.

While many insurance companies offer premium discounts for home and business owners who install alarm systems, do not consider this system a substitute for prudent insurance coverage for buildings and possessions. Users of alarm systems should be aware of new alarm products and system improvements for the sake of their own safety and the safety of their loved ones.



An alarm system can only operate properly if recommended maintenance procedures are observed. The most frequent cause of alarm malfunctions is inattention to maintenance. The system should be tested according to your installer's instructions.

Here are some of the many reasons why a security system can fail to perform as anticipated:

1. Some professional thieves know techniques for disabling alarm systems, or they may have had an opportunity to "case" the property to find unprotected openings through which they may enter undetected.
2. It may not be possible for a user to reach and operate a panic button fast enough to activate the system in an emergency.
3. Power and maintenance requirements may not have been observed. Alarm sensors, such as passive infrared detectors, RF (radio frequency) transmitters, smoke detectors and other devices must have proper power to operate correctly. Battery operated units must be equipped with fresh batteries of the proper voltage (see individual instructions for checking and changing batteries). AC powered units will not operate if their power supplies are cut off. Backup batteries in AC operated units should also be checked regularly.
4. RF (radio frequency) transmitting devices may be compromised. RF devices depend solely on proper installation for predictable operation. If the end user changes the RF characteristics of the structure (e.g., moving large appliances, installing machines with large electric motors, installing foil backed wallpaper, the use of amateur radio broadcasting equipment by anyone in the vicinity, or many other possibilities), certain RF devices may cease operating properly. The installing dealer should be consulted if any changes are made within a building when RF devices are used.
5. Smoke detectors may not operate for many reasons. The Federal Emergency Management Agency has published statistics that indicate smoke detectors fail to warn building occupants in as many as 35% of all fires. Smoke detectors can fail to operate for a variety of reasons, including the following:
 - Improper positioning.
 - Smoke is in an enclosed area where it cannot reach the detector (such as in chimneys, in walls, on roofs, or on the other side of closed doors).
 - Fire is in another area of a building, e.g., a first floor detector may not sense a basement fire.
 - A smoke detector cannot make up for failure to observe common sense rules of fire safety. A detector may not warn about hazards such as children playing with matches, arson, smoking in bed, improper storage of hazardous materials, violent explosions, escaping gas, or overloaded electrical circuits.
 - Even if a smoke detector operates as expected, due to the nature of a particular fire and the location of detectors, the detector may not provide sufficient warning to allow all occupants to safely escape the building.
6. People located on the other side of closed or partially open doors, deep sleepers, or hearing impaired persons may not be alerted by alarm warning devices such as sirens, horns, bells, etc., no matter how loud. Even individuals who have normal hearing and are awake may not hear the warning devices if the sound is unintelligible because of noise of home entertainment equipment (e.g., TV, stereo, or radio), appliances (e.g., air conditioners), or the noise of passing traffic.
7. Passive Infrared Detectors (PIR's) only detect intrusion in the area covered by their detection beams, as determined by choice of lenses, mounting height, and sensor adjustment. PIR's cannot sense intrusion that takes place behind closed doors, walls, ceilings, glass doors, partitions, or windows. PIR's do not detect motion, but instead sense increases of temperature within the range of their beams. Tampering with any part of the optical system of PIR's (e.g., painting, spraying any material, masking) can reduce detection ability. Performance of PIR's can decrease if the ambient temperature in the area covered by their beams increases to 90° to 105° F.
8. Even if the alarm system works as expected, building occupants may not have enough time to protect themselves from the emergency situation. Furthermore, authorities may not respond appropriately to a monitored alarm system.
9. The telephone lines needed to send alarm signals to a monitoring station may be out of service, or may have been tampered with by an intruder.
10. Components of the system, like all electrical devices, are subject to failure.

FCC COMPLIANCE INFORMATION

FCC PART 68 NOTIFICATION

The Federal Communications Commission (FCC) has established Rules which permit this equipment to be directly connected to the telephone network. This equipment complies with Part 68 of the FCC Rules. It should not be used on party lines or coin lines.

- This equipment is designed to be connected to the telephone network using a compatible modular jack which is Part 68 compliant.
- If this equipment is malfunctioning, it may also be causing harm to the telephone network. The unit should be disconnected until the source of the problem can be determined and until repair has been made. If this is not done, the telephone company may temporarily disconnect service.
- The telephone company may make changes in its technical operations and procedures. If such changes affect the compatibility or use of this equipment, the telephone company is required to give adequate notice of the changes. You will be advised of your right to file a complaint with the FCC.
- If the telephone company requests information on what equipment is connected to their lines, inform them of:
 - a. Telephone number the device is connected to.
 - b. Ringer Equivalence Number: 0.0B
 - c. Required Jack: RJ31X or RJ11C
 - d. FCC Registration Number: CNAUSA-22837-AL-E
- The Ringer Equivalence Number (REN) is used to determine how many devices can be connected to your telephone line. In most areas, the sum of the RENs of all devices on any one line should not exceed five (5.0). If too many devices are attached, they may not ring properly.

FCC PART 15 STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and uses radio frequency energy and, if not installed and used in accordance with these instructions, may cause interference to radio and television reception.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient an indoor TV or radio antenna or have a quality outdoor antenna installed.

- Move the receiver away from the control panel. (CAUTION: Only your dealer should be allowed to change the original location of the control panel.)
- Plug the panel's transformer into a different outlet so it and receiver are on different branch circuits.
- If necessary, consult with your dealer or an experienced radio/TV technician for help.

The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402.

SERVICE INFORMATION

There are no user serviceable parts inside this equipment. If the equipment malfunctions, it is your responsibility to contact your installing dealer listed below. Only your dealer can insure that your equipment has been properly reinstalled and tested when it comes back from repair.

Dealer: _____ **Phone:** _____

Address: _____

Proper installation, setup, testing, and customer education are as important as the components themselves. These requirements can only be satisfied through a normal consumer -- dealer relationship. Consequently, the manufacturer does not deal directly with, or give advice to, consumers concerning the installation, operation, or repair of system parts.

If service or routine maintenance is unavailable from your original dealer most professional residential security companies are familiar with this type of product and can handle your needs. If you cannot find someone, the manufacturer will attempt to provide the name of a company in your area. Please contact:

Capricorn Electronics, Inc., Technical Services Dept.
48 Capricorn Drive, Maiden, NC 28650 828-428-3451

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

SYSTEM INFORMATION

Phone Numbers And Addresses

FIRE: _____ POLICE: _____ DOCTOR: _____

MONITORING SERVICE: _____ Account Number - _____

Contact/Address: _____

SECURITY DEALER: _____

Contact/Address: _____

System Data

Normal exit/entry door: _____ Exit Time: _____ Entry Time: _____

Extended exit/entry door: _____ Exit Time: _____ Entry Time: _____

Replace battery every 3-4 years. Date: _____ Date: _____ Date: _____ Date: _____

Estimated time the system will run on its backup battery: _____ Hours

ALARM TYPE	SIREN TONE	RUN TIME	MONITOR	OTHER MONITORED FUNCTIONS
FIRE	_____	_____	<input type="checkbox"/>	_____
POLICE	_____	_____	<input type="checkbox"/>	_____
BURGLARY	_____	_____	<input type="checkbox"/>	_____
PERSONAL	_____	_____	<input type="checkbox"/>	_____
24Hr SPECIAL	_____	_____	<input type="checkbox"/>	_____
AUXILIARY	_____	_____	<input type="checkbox"/>	_____

Optional Functions (Other options will be recorded on the NOTES page)

- Your security system is NOT connected to a monitoring service (see page 2).
- There is a 20 second delay before non-fire alarms are reported to monitoring service (see page 3).
- There is a 20 second delay before fire alarms are reported to monitoring service (see page 3).
- Exit error alert enabled (see page 4).
- Coded arming enabled (see page 5).
- Quick bypass enabled (see page 6).
- Exterior chirps enabled (see page 7).
- User Code 6 restricted (see page 10).
- Duress Code enabled (see page 11).
- Alarm activates for Burglary zone tampers (see page 13).
- Lights (see Page 14): _____
- Pager (see Page 14): _____

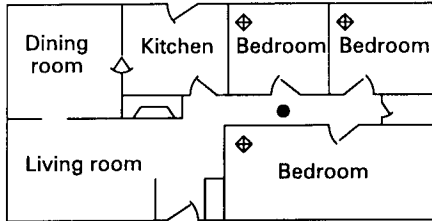
ZONE INFORMATION

TYPE	LOCATION	TYPE	LOCATION
KP1	Wired Keypad _____	Z21	_____
KP2	Wired Keypad _____	Z22	_____
KP3	Wired Keypad _____	Z23	_____
KP4	Wired Keypad _____	Z24	_____
Z01	_____	Z25	_____
Z02	_____	Z26	_____
Z03	_____	Z27	_____
Z04	_____	Z28	_____
Z05	_____	Z29	_____
Z06	_____	Z30	_____
Z07	_____	Z31	_____
Z08	_____	Z32	_____
Z09	_____	Z33	_____
Z10	_____	Z34	_____
Z11	_____	Z35	_____
Z12	_____	Z36	_____
Z13	_____	Z37	_____
Z14	_____	Z38	_____
Z15	_____	Z39	_____
Z16	_____	Z40	_____
Z17	_____		_____
Z18	_____		_____
Z19	_____		_____
Z20	_____		_____

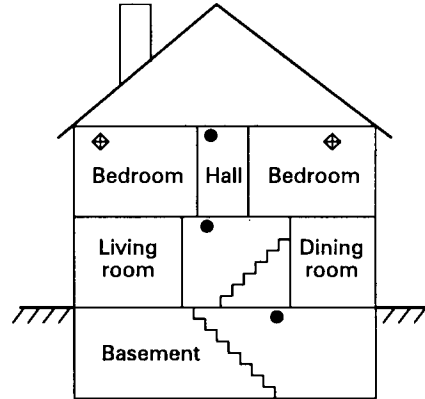
NOTES

LOCATING SMOKE DETECTORS

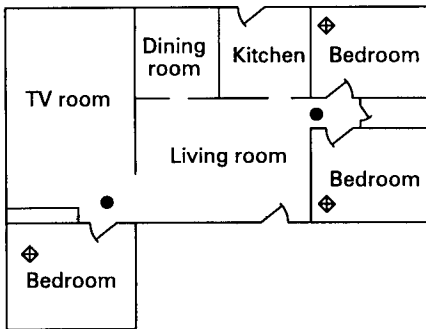
- Indicates smoke detector required by National Fire Protection Association Standard 72.
- ⊕ Indicates additional required smoke detector for new construction. Recommended for old construction.



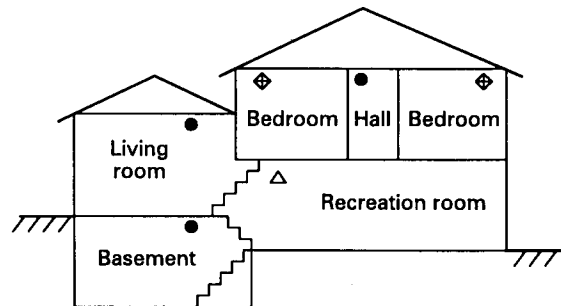
A smoke detector should be located between the sleeping area and the rest of the family living unit.



A smoke detector should be located on each floor.



In family living units with more than one sleeping area, a smoke detector should be provided to protect each.



△ Detector is required if there is a door between living room and recreation room. It is optional if there is no door.