

**SECURITY
SYSTEM
OWNER'S
MANUAL**



**RF
Commander**  [®]

Product specifications subject to change without notice.

Interactive Technologies Inc..
2266 North Second Street
North St. Paul, MN. 55109

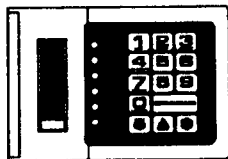
Copyright ITI 1992 - Part #46-486

© RF COMMANDER[®] is a registered trademark of Interactive Technologies Inc.

CONTROL PANEL

CONTROL PANEL Part No. 60-360/ 60-419/ 60-478/ *60-433

The heart of your RF COMMANDER Security System is the Self-Contained Control Panel. Typically, it is located on a wall away from the main entrance and exit. The system functions are controlled by the built-in touchpad on the face of the unit.



The Control Panel contains the electronic microcomputer circuits that control and monitor your system. It receives information from sensors which are strategically placed throughout the premises, from Wireless Touchpads and the built-in Touchpad. Included on the touchpad are panic buttons for POLICE, FIRE and AUXILIARY which are active 24 hours, regardless of what protection level the system is set to. The 6 LEDs light or flash to indicate the current status of the system.

The Control Panel also emits alarm sounds and voice announcements from the built-in speaker and can report Alarm/Trouble signals to a Central Monitoring Station.

* Not U.L. Listed

Opening the door on the left side of the Control Panel reveals the STATUS and BYPASS buttons which will be explained later in this manual.

The inside of the door includes a label with Arming Level and LED descriptions.

1

WIRELESS TOUCHPADS AND SENSORS



HANDHELD WIRELESS TOUCHPAD Part No. 60-389 (Optional)

This unit adds convenience by allowing you to change or check the system status without having to be at the Control Panel. Included on the touchpad are POLICE and AUXILIARY panic buttons which are active 24 hours. The small size makes it easy to carry around the premises or you can slip it into your pocket or a purse.



HANDHELD WIRELESS TOUCHPAD Part No. 60-372 (Optional - Not U.L. Listed.)

This touchpad operates like the one described above except it has only the 24 hour POLICE panic button.

WIRELESS WALL MOUNT TOUCHPAD Part No. 60-390 (optional - Not U.L. Listed.)

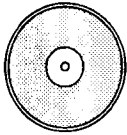
This unit can be mounted in stationary locations of frequent use, such as near the entry/ exit doors, Master bedroom, etc.



SMOKE SENSORS* Part No. 60-106

Smoke Sensors should also be part of your protection system. At a minimum, it is desirable to have at least one Smoke Sensor on each floor level of a home and one outside all bedroom areas. The sensor is active 24 hours in all protection levels.

* Please refer to the manufacturer's installation material, shipped with all smoke sensors, for specific information regarding the National Fire Protection Association standards.



RATE OF RISE SENSOR Part No. 60-137 (Not U.L. Listed.)

The Rate of Rise Sensor initiates an alarm when a temperature of about 135°F occurs in the area the sensor is located. Since many fires grow rapidly in intensity, this device is also designed to sense the rate at which the fire is growing. The unit can therefore respond to temperature increases of 15°F or greater per minute. The sensor is active 24 hours in all protection levels.



DOOR/WINDOW SENSORS Part No. 60-135/60-151

These sensors detect the opening and closing of doors and windows. Special locations such as drawers, display cases and firearms cabinets may also be protected with Door/Window Sensors.



GLASS GUARD SENSOR Part No. 60-266 (Not U.L. Listed.)

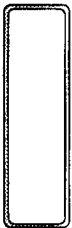
Glass Guard Sensors mount directly onto glass and are used to detect the actual breakage of glass.



PASSIVE INFRARED MOTION SENSORS Part No. 60-364 (Not U.L. Listed.)

Passive Infrared Sensors are designed to detect the body heat of an intruder who enters its field of view. In a home, Passive Infrared Sensors are normally used to protect valuables in the living room, dining room or master bedroom area.

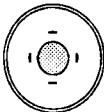
3



SHOCK SENSORS Part No. 60-107 (Not U.L. Listed.)

This sensor requires an external detector mounted on a window frame or a detector which fits inside the sensor. The detector picks up disturbances or vibrations caused by an attempted forced entry. Intruders do not actually have to break material such as glass to activate the detector. Once the detector has been activated, this action causes the Shock Sensor to transmit a signal to the Control Panel.

The Shock Sensor can also detect the opening and closing of windows and doors like a Door/Window Sensor.



SOUND SENSORS Part No. 60-249 (Not U.L. Listed.)

Sound sensors are designed to "hear" only the intense sounds caused by breaking glass or splintering wood if an intruder uses force to gain entry.



FREEZE SENSOR Part No. 60-185 (Not U.L. Listed.)

The most common use of a Freeze Sensor is to detect a furnace failure in a home or business. The sensor activates when the room or premise temperature drops to about 45°F. In the event the Freeze Sensor is ever tripped, the room or premise must be heated up to between 55°F and 60°F for it to reset.



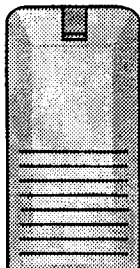
**PORTABLE PANIC
Dual Button Part No. 60-149**
(Not for use with U.L. Listed systems.)

This device is typically used to activate a POLICE or MEDICAL EMERGENCY without having to be at the Control Panel. Pressing and holding the two asterisks simultaneously for 1 second will trip an alarm condition.



**PORTABLE PANIC (Not U.L. Listed.)
Single Button Part No. 60-358**

Works the same as the dual button version but has just one button for activation.



PENDANT PANIC Part No. 60-329 (Not U.L. Listed.)

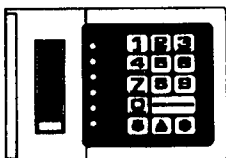
The Pendant Panic Sensor is designed to be worn around the neck by the user or the attached cord can be removed and the unit can be placed in a pocket or purse. The sensor has a single push button located at the bottom which when pushed in, transmits a signal to the Control Panel.

Note: All Portable and Pendant Panic Buttons are active 24 hours.

5

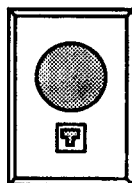
SIRENS

CONTROL PANEL



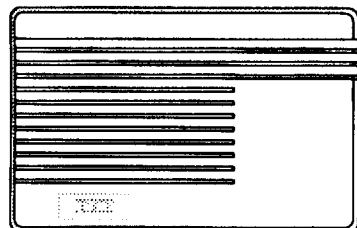
An interior speaker is included in your RF COMMANDER Control Panel and is intended to alert you of an emergency or inform you of trouble conditions.

PHONE JACK SIREN Part No. 60-108
(Not intended for use with U.L. Listed systems.)



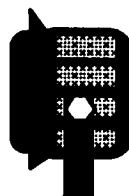
This device is intended to replace an existing telephone jack and make use of spare or unused phone wiring to trigger the built-in piezo during Alarm/Trouble conditions. The unit *does not* emit voice messages.

INTERIOR SIREN/PIEZO Part No. 60-278
(Not intended for use with U.L. Listed systems.)



This combination unit produces both low volume System Status tones and high level Alarm sounds. It is typically located in areas such as hallways where the siren sounds need to be heard in bedrooms. The unit *does not* emit any voice messages.

**EXTERIOR SIREN
Part No. 13-046**



The optional exterior siren provides high volume sound for Fire and Police alarms.

STATUS/TROUBLE SOUNDS

The Control Panel's built-in speaker and all Interior sirens serve as status annunciators. They provide audible indications, described below, of the current protection level when the STATUS button is pressed.

1 BEEP

Indicates that you have successfully accomplished the task you have attempted, including disarming to level 1, turning the CHIME or LIGHTS features ON and OFF, or bypassing sensors.

2 BEEPS

Sounds when system is armed to level 2 and after the exit delay time ends.

3 BEEPS

Sounds when system is armed to level 3 and after the exit delay time ends.

6 BEEPS EVERY MINUTE: TROUBLE

Indicates a Low Sensor Battery, Sensor Failure (Supervisory), CPU Low Battery, Fail To Communicate or Radio Receiver Failure. Stops when access code is used. Repeats every 24 hours if fault still exists. Press the STATUS button for a voice announcement of the trouble.

ALARM SOUNDS

FIRE ALARM: Steady tone siren.

POLICE ALARM: Slow ON-OFF-ON-OFF siren.

AUXILIARY ALARM: Fast ON-OFF-ON-OFF siren.

7

VOICE MESSAGES

The following are some of the voice messages you will hear from the Control Panel speaker when the STATUS button is pressed.

"HELLO, ALARM SYSTEM IS OFF, SYSTEM BATTERY IS OKAY, AC POWER IS OKAY, GOODBYE." Indicates all sensors are closed, no TROUBLE conditions exist and system is disarmed (Level 1).

HELLO, ALARM SYSTEM IS OFF, SENSOR *nn* OPEN." Indicates the door or window connected to sensor *nn* is open. You must close the door or window before arming the system or you may bypass the sensor (see page 15).

"HELLO, ALARM SYSTEM IS OFF, SENSOR *nn* LOW BATTERY." Indicates that sensor *nn* has a low battery which must be replaced.

"HELLO, ALARM SYSTEM IS ON LEVEL THREE, SENSOR *nn* BYPASSED." Indicates that all sensors are armed except for sensor *nn*.

"HELLO, ALARM SYSTEM IS OFF, SENSOR *nn* TROUBLE." Indicates that sensor *nn* has its Tamper Switch activated (sensor cover has been removed). You must replace the cover, then open and close the door or window to clear this condition.

"SENSOR *nn* ALARM MEMORY." Indicates that sensor *nn* was violated during the last arming period. If more than one sensor was tripped during an arming period, the first sensor number announced indicates that sensor was tripped first. All other sensor numbers in Alarm Memory are announced in numerical order.

PROTECTION LEVELS



LEVEL 1 - OFF

If the system was ON it will turn OFF. All 24 hour detectors including Touchpad "Fire", "Police" and "Auxiliary" remain active. Level 1 should be selected to cancel an accidental alarm.



LEVEL 2 - STAY

All perimeter doors and windows will be armed. A delay period (factory set at 32 seconds) will allow you time to enter or leave a protected area.



LEVEL 3 - AWAY

All sensors (both perimeter and interior) will be armed. A delay period (factory set at 32 seconds) will allow you time to enter or leave a protected area.

9

FEATURE LEVELS



CHIME

With this feature on, the Control Panel speaker and all Interior sirens will emit a pleasant tone when any exterior door or window is opened. The Chime feature only works when the system is in Level 1.



LIGHTS

If your system is equipped with the Powerhouse X-10 Lamp Modules, you can select this feature to turn on those designated lights. This feature is not intended for use in U.L. Listed systems.



NO DELAY

After you have armed the system to Level 2 (STAY), you can remove the Entry and Exit delay times by immediately pressing 4.

OPERATING INSTRUCTIONS

ACCESS CODE

The ACCESS CODE is your personal key to using the RF COMMANDER Security System. By entering this four digit identification code on your built-in touchpad or optional Handheld Touchpad, you can select any of the protection levels, cancel accidental alarms, test your system, etc.

ARMING AND DISARMING

First, close all your protected doors and windows. Then, enter your four digit access code on your touchpad immediately followed by the number of the desired protection level. Listen for Control Panel response.

NOTE: When arming or disarming with a Handheld Touchpad, the Control Panel *will not* emit any voice messages.

2 STAY

HOW TO ARM YOUR SYSTEM WHEN STAYING HOME

(Perimeter sensors armed, interior off.)

1. Enter your personal access code.
2. Press the STAY (#2) button.
3. Listen for 2 beeps and the voice message "ALARM SYSTEM IS ON LEVEL TWO."

3 AWAY

HOW TO ARM YOUR SYSTEM WHEN LEAVING HOME

(All sensors armed.)

1. Enter your personal access code.
2. Press the AWAY (#3) button.
3. Listen for 3 beeps and the voice message "ALARM SYSTEM IS ON LEVEL THREE." Leave immediately.
The Entry Delay programmed is _____ s.
The Exit Delay programmed is _____ s.

11

1 OFF

HOW TO DISARM YOUR SYSTEM WHEN ARRIVING HOME

(System disarmed except for 24 hour sensors.)

1. Entry delay beeps remind you the system is ON (2 beeps, Level 2 or 3 beeps, Level 3).
2. Enter your personal access code.
3. Press the OFF (#1) button.
4. Listen for 1 long beep and the voice message "ALARM SYSTEM IS OFF."

Note: Use this procedure to cancel any accidental alarms.

2 STAY

HOW TO ARM YOUR SYSTEM AT NIGHT, WITH EVERYONE HOME

(Night perimeter protection with no delays)

- #### **4** NO DELAY
1. Enter your personal access code.
 2. Press the STAY (#2) button.
 3. Listen for 2 beeps and the voice message "ALARM SYSTEM IS ON LEVEL TWO." "
 4. Immediately press the NO DELAY (#4) button.
 5. Listen for the voice message "NO DELAY"

ACCIDENTAL ALARMS

If your system is monitored by a Central Station and an accidental alarm occurs, immediately enter your Access Code + 1. If the Control Panel announces "ALARM BYPASSED, ALARM SYSTEM IS OFF.", this means the call to the Central Station was aborted. If the call to the Central Station was completed, the Control Panel will announce "ALARM SYSTEM IS OFF."

CAUTION! If you return home and find a burglary alarm condition, DO NOT ENTER. Contact your local Police department.

SPECIAL FEATURES



CHIME FEATURE

(System must be in Level 1.)

1. Enter your access code + 7.
2. Listen for the voice message "ON."

To disable, repeat the steps above and listen for the voice message "OFF."



LIGHTS FEATURE

(Works in any protection level.)

1. Enter your access code + 0.
2. Listen for the voice message "ON."

Only lights plugged into special modules will turn on.

To disable, repeat the steps above and listen for the voice message "OFF."

CHANGING YOUR ACCESS CODE

(System must be in Level 1.)

1. ENTER: Access Code + STATUS + 8 + NEW CODE.
2. The Control Panel will repeat the 4 new digits you entered and "OKAY".

CAUTION! Be sure not to duplicate your Duress Code when changing your Access Code (see page 16).

PROGRAM THE VISITOR ACCESS CODE

(System must be in Level 1.)

1. ENTER: Access Code + STATUS + 7 + 4 Digit Code.
2. The Control Panel will repeat the Visitor Access Code and "OKAY".

To disable, follow the above procedure and enter your regular access code in place of the 4 digit code.

13

COMMAND BUTTON

The COMMAND button on the control panel allows anyone to arm the system or turn the CHIME and LIGHTS features on or off. The COMMAND button *does not* allow you to change to a lower protection level or to disarm the system, bypass sensors or conduct phone and sensor tests.

ARMING TO LEVEL 3

Be sure your system is in Level 1 or 2, then enter



+



Listen for 3 short beeps and the voice message "ALARM SYSTEM IS ON LEVEL THREE."

ARMING TO LEVEL 2

Be sure your system is in Level 1, then enter



+



Listen for 2 short beeps and the voice message "ALARM SYSTEM IS ON LEVEL TWO." Press 4 if NO DELAY is desired.

CHIME FEATURE

Be sure your system is in Level 1, then enter



+



Listen for the voice message "ON." To disable, repeat the sequence and listen for the voice message "OFF."

LIGHTS FEATURE

With the system in Level 1, 2 or 3 enter



+



Listen for the voice message "ON." To disable, repeat the sequence and listen for the voice message "OFF."

STATUS/BYPASS BUTTONS

STATUS

STATUS BUTTON (Located behind Control Panel door.)

Press the STATUS button when the READY LED is not lit or is flashing and a voice message will identify any open sensors.

Press and hold the STATUS button for 3 seconds, enter CODE + STATUS or press COMMAND + STATUS and the panel will state the most recent Alarm Memory information (see page 21).

Press the STATUS button when the TROUBLE LED is flashing and a voice message will identify the sensor(s) that is not operating properly.

BYPASS

BYPASS BUTTON (Located behind Control Panel door.)

Used to BYPASS open/protesting sensors. For example, if you enter CODE + 3 and sensor 07 is open, the Control Panel speaker will announce "*SENSOR SEVEN OPEN*" and then emit a series of protest beeps. Press BYPASS within the *exit time delay period* and the panel will announce "*ALARM SYSTEM IS ON LEVEL THREE, SENSOR SEVEN BYPASSED.*" It is recommended that temporary users, such as baby-sitters, not be shown the Bypass procedure.

CODE + BYPASS + SENSOR NUMBER

You can selectively bypass sensors using this procedure. For example, to bypass sensor five you would enter the following after arming the system: CODE + BYPASS + 05. The Control Panel will respond with the voice message "*SENSOR ZERO FIVE BYPASSED.*"

15

EMERGENCY ALARM BUTTONS

If you have an emergency, you can sound the sirens and notify the Central Monitoring Station by pressing the built-in panic buttons on your RF COMMANDER Control Panel.



POLICE PANIC: Press twice within 3 seconds or hold for 3 seconds.

or enter



+



FIRE PANIC: Press twice within 3 seconds or hold for 3 seconds.

or enter



+



AUXILIARY PANIC: Press twice within 3 seconds or hold for 3 seconds.

or enter



+



DURESS CODE

The Duress Code is a special four digit code which when used, secretly and silently notifies the Central Monitoring Station of an emergency. Also, for your safety, the Control Panel LEDs do not activate. This code can only be set by your ITI installing dealer.

HOW TO USE THE DURESS CODE

1. Enter your special four digit Duress Code.
2. Select any protection level.

WARNING! Duress Code alarms cannot be cancelled. Be sure to never confuse your Duress Code with your regular access code.

8 **LEVEL "8" PHONE TEST**
Level 8 tests the optional communication link between your system and the Central Monitoring Station. To perform a phone test enter your CODE + 8. The Control Panel will respond with the voice message **"PHONE TEST IS ON"** Within 3 minutes you should hear **"PHONE TEST IS OKAY."** The test works from any protection level. If you hear **"PHONE TEST FAILURE."**, immediately call your ITI installing dealer.

9 **LEVEL "9" SENSOR TEST**
Level 9 is used to test the radio signal communication between the detection sensors and the Control Panel. To perform a sensor test enter your CODE + 9. Listen for one long beep and the voice message **"SENSOR TEST IS ON."** You now have 15 minutes to test all sensors.

Each time a sensor is tripped, the Control Panel speaker and Interior sirens will beep for every round the sensor transmits. After all rounds have been transmitted from the sensor the panel will announce **"SENSOR *nn* OKAY."**

To determine which sensors have not tested, press the STATUS button and the panel will announce any sensors that have not tested. For example, if sensors 12 and 16 have not yet been tested you would hear **"SENSOR TEST IS ON, SENSOR ONE TWO TEST, SENSOR ONE SIX TEST."**

17

After all sensors have tested, press STATUS and the panel will announce **"ALL SENSORS TEST OKAY."** To exit Level 9, enter your CODE + 1 and listen for the voice message **"ALARM SYSTEM IS OFF."** If you forget to exit from Level 9, the Control Panel will automatically disarm itself to Level 1 after 15 minutes. If any sensor does not test properly, immediately call your ITI installing dealer.

PASSIVE INFRARED MOTION SENSORS (PIRs) Some ITI PIR sensors have a Lock-out Timer which prohibits the PIR from transmitting more than once in 3 minutes. This feature helps to conserve on the sensor's batteries. Should the Control Panel not respond when you walk through the path of a PIR, clear all occupants from the room for 3 minutes and then re-test the sensor.

SMOKE SENSORS Each Smoke Sensor has a TEST button located on its cover. *Press and hold the TEST button until the sensor's siren activates.* Only at that time will the Smoke Sensor's transmitter be tripped. Also note that these sensors transmit twice as many rounds as burglary type protection sensors.

BACK-UP BATTERY TEST

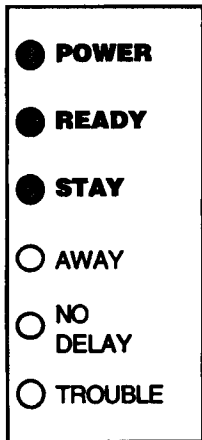
The Control Panel automatically checks for a low back-up battery once every 24 hours. However, you should manually test the battery at least once per week with the AC power transformer disconnected. The Power LED will go out but the system should still operate normally. All sensors shall be individually tested and the proper operation of the siren shall be verified.

When testing is completed be sure to resecure the AC power transformer with the retaining tab screw.

Battery capacity for emergency standby power is at least 4 hours.

UNDERSTANDING THE DISPLAY

There are six status lights (LEDs) on the face of the Control Panel which indicate the current status of your system. The purpose of each LED is described below.



POWER - (Green)

ON - When AC power is ON and the back-up battery is good.

OFF - When AC power is OFF and the back-up battery is good.

FLASHING - AC power is ON but the back-up battery is BAD.

Note: The TROUBLE LED will also flash during this condition.

READY - (Green)

ON - When the perimeter and interior sensors are ready to arm.

OFF - When the system cannot be armed.

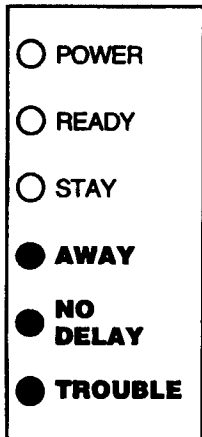
FLASHING - When perimeter sensors only are ready to arm.

STAY - (Red)

ON - When the system is armed to level 2, perimeter protection only.

FLASHING - When system is armed to level 2 and sensors are bypassed.

19



AWAY - (Red)

ON - When system is armed to level 3, full protection.

FLASHING - When system is armed to level 3 and sensors are bypassed.

NO DELAY - (Red)

ON - When there are no Entry/Exit delays set.

OFF - When Entry/Exit delays are set (normal).

TROUBLE - (Red)

FLASHING - When something is not operating properly. Press STATUS button for voice message of problem.

Note: The POWER LED will be OFF during a TROUBLE condition if the AC power is out.

OFF - During normal operation.

Sequential flashing of the control LEDs and a brief internal speaker output at 60 second intervals indicates that the control is in an abnormal condition and alarm functions are disabled. Enter your ACCESS CODE and 1 to exit the mode.

ALARM MEMORY INDICATION

The LEDs also act as an Alarm Memory indicator. When the system is first disarmed after a new alarm has occurred, all 6 LEDs will scroll indicating that the alarm information is in memory. The Control Panel speaker will then announce the sensor number and sensor type that was tripped and then state that the system is off. For example, **"SENSOR SIX, ALARM MEMORY."** One long beep, and then, **"ALARM SYSTEM IS OFF."** The LEDs will stop scrolling.

The Alarm Memory will not change until there is another alarm during another arming period. Press and hold STATUS for 3 seconds, enter CODE + STATUS or press COMMAND + STATUS and the Control Panel will always announce the most recent alarms in memory.

SYSTEM STATUS

If the STATUS button is pressed when the system is disarmed and a sensor is open (READY light off or flashing) the Control Panel will announce which sensors are open. For example, a Status message might sound like:

"HELLO, ALARM SYSTEM IS OFF, SENSOR FOUR OPEN."

21

TROUBLESHOOTING

AC POWER FAILURE

The Control Panel has an emergency back-up power supply that can power the system for up to 4 hours. During an AC power failure the power LED will be off indicating the back-up battery is functioning properly. After 15 minutes the LED Display will shut down to conserve battery life and the Control Panel will send an optional AC FAILURE report to the Central Monitoring Station. Pressing any button will illuminate the LEDs (depending on system status) for 2 minutes. After 4 hours and 15 minutes of no AC power to your system, if the AC power comes back on, the system will automatically re-arm to the previously set level and the Control Panel will send a 95 CPU BACK IN SERVICE report to the Central Monitoring Station. NOTE: The 4 hour and 15 minute time period is a default setting and may be altered by your installer.

CPU Model No. 60-478 must be programmed with a 25 hour battery back-up time.

DISRUPTED TELEPHONE SERVICE

When your security system is monitored by a Central Monitoring Station, your Control Panel is connected to your telephone system. In the event you find that your phone system does not work, unplug the Control Panel from its special phone jack. If your telephone still does not work, the problem is in the telephone system and not in your security system.

WARNING: The Control Panel must be plugged back in to its special phone jack to provide alarm communications.

MAJOR SYSTEM FAILURE

Although it is unlikely, should your system become disabled, the Power Transformer should be unplugged. It is important to contact your ITI installing dealer.

23

FCC COMPLIANCE: This equipment has been tested and is in compliance with FCC Rules, Part 15, Subpart J and E and Part 68 where applicable. Each device carries a label giving the specifics and conditions of compliance.

SERVICE: If you have any questions about your system, or if you ever need service, please contact your ITI installing dealer.

ALARM SYSTEM LIMITATIONS: Not even the most advanced alarm system can guarantee protection against burglary, fire or environmental problems. All alarm systems are subject to possible compromise or failure-to-warn for a variety of reasons:

- If sirens or horns are not placed within hearing range of persons sleeping or in remote parts of the house. Warning devices may not be heard if they are placed behind doors or other obstacles, or on levels distant from areas frequently occupied by residents. They also may not be heard because of outside noise or if a loud stereo or radio is playing. Even if the alarms are heard, occupants such as children, the elderly or the infirm may not have time to escape. Please consider the special needs of occupants when planning escape routes.
- If intruders gain access through unprotected points of entry or areas where sensors have been bypassed.
- If intruders have the technical means of bypassing, jamming or disconnecting all or part of the system.

- If power to detectors is disconnected or inadequate. Devices will not work if the AC power supply is OFF and back-up battery is either missing, dead or improperly installed.
- If smoke does not reach the sensor. Smoke sensors cannot detect smoke in chimneys, in walls or roofs, or smoke blocked by a closed door. They may not detect smoke or fire on a level of the building different from the one on which they are located. Sensors may not be able to warn in time about fires started by smoking in bed, explosions, improper storage of flammables, overloaded electrical circuits, or other types of hazardous conditions.
- If transmission lines are out of service. Communications from the Control Panel to the Central Monitoring Station cannot take place over lines that are out of service. Telephone lines are also vulnerable to compromise by any of several means. Fire may cause telephone lines to fail, or they may be cut by an intruder.
- Inadequate maintenance is the most common cause of alarm failure. Therefore, test your system at least once per week to be sure sensors, sirens, etc. are all working properly. After years of use, security equipment could wear out and need to be replaced.

Although having an alarm system may make you eligible for reduced insurance premiums, the system is no substitute for insurance. Warning devices cannot compensate you for loss of life or property.

25

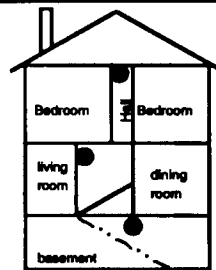
ESCAPE PLAN

Using the diagram below as an example, draw a floor plan of your home on the following page. Be sure to show exits from each room (two exits per room are recommended).

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

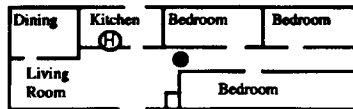


A smoke detector should be located on each level.

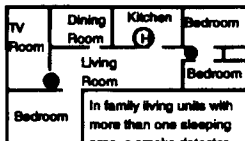
Required smoke detector ●

Indicates smoke detector is optional if door is not provided between ceiling and recreation rooms.

Heat Detector ⊕



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



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

