SECURITY COMMAND CENTER

OWNER'S MANUAL

CS-250

ARITECH>

Fire Alarm

The fire alarm system (if incorporated into your security system) will provide protection 24 hours a day. A smoke or fire condition will activate an audible alarm signal.
Information on what you should do in the event of fire is detailed on page 14.

Your fire alarm system equipment is supervised so that you will hear an audible trouble signal if something goes wrong with the equipment.

If a burglar alarm and a fire alarm should occur at the same time, the fire alarm signal will take precedence over the burglar alarm signal. If a fire trouble condition and a burglar alarm condition occur at the same time, your system's sirens will emit a burglar alarm signal, and your operating panels will emit the trouble signal.

Panic Alarms

Your remote operating station can initiate four types of panic alarm:

—audible alarm using the system's bells and/or sirens
—silent alarm (used only if your system is connected to an off-premise central monitoring station)
—audible using the keypad's sounder only
—duress (used only if your system is connected to an off-premise central monitoring station)

Your alarm company representative will advise you on which panic alarms are part of your security system.

Alarm Memory

Your Security Command Center features short-term and long-term alarm memory capabilities.

If an alarm occurs, the SHORT-TERM MEMORY feature causes the corresponding light(s) (lights 1 through 6) on your remote operating keypad to remain flashing AFTER the system has been restored to normal operating condition.

The LONG-TERM MEMORY which stores all alarm occurrences, helps your service person to easily pinpoint any problems with the functioning of your system.

Automatic "Lock-Out"

To protect against unauthorized use of your security system, the remote operating station features automatic "lock-out". If sixteen (16) digits (or keys) have been pressed and the desired function procedure has not been successfully completed, the keypad will "lock-out" for one minute. During this time, the keypad will not allow the user to perform any function of the system. After one minute has elapsed, a tone from the keypad will signal that the keypad is again operative.

SECURITY COMMAND CENTER

Your Choice of Home and Business Security

Aritech's Security Command Center is completely programmable to give you the specific type of burglary and fire protection you need.

The Security Command Center can completely protect your premises when you are away. And when your premises are occupied, you can select the areas (or zones) that should remain protected, while bypassing other zones (i.e., leaving other areas unprotected), for convenient "on premises" protection.

Your entire security system is supervised. This means that if something goes wrong with your system (i.e., a wire breaks or a detector malfunctions), an audible trouble signal from your keypad will let you know so that you can take the appropriate action.

Personal Access Code

The "key" to the Security Command Center is a personal four-to-six digit access code. This code makes your system easy to operate, and virtually impossible for a burglar to defeat.

You use this code to arm and disarm the burglar alarm portion of your system from the convenient remote operating station. This code also allows you to perform many other functions which are described on page 4.

Burglar Alarm

Your easy-to-operate burglar alarm system takes a basic "two-stage" approach to the protection of your home or business.

The first "stage" protects perimeter access points such as doors and windows. The second "stage" consists of interior sensors designed to detect an intruder's movement inside your home. Your alarm company representative will help you in identifying the important areas of your home which should be protected.

When the building is empty, you may use both "stages" of protection. When the building is occupied, you may use just the first "stage," permitting normal movement in the building while still providing perimeter protection. You can take this a step further by arming certain areas (or zones) WITHIN the building using the keypad's BYPASS feature. This function is explained on page 7.

The Security Command Center also features a unique sequential entry system. This system allows you to enter the building through a PROTECTED entry door, and pass through an internal sensor before you disarm the system at an operating station. However, if an intruder somehow enters through an UNPROTECTED opening and violates an internal sensor, the burglar alarm will go off immediately.

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Your Control Panel

Introduction
At the heart of your security system is the control panel. A metal cabinet houses the electronics that control the day-to-day operation of your system. Be certain that the cabinet door remains locked during normal operating periods. DO NOT LEAVE THE KEY IN THE LOCK.

Your alarm company will install the control panel in a discrete and convenient location. The parts to the control panel that you should know about are depicted on the right and described below.

Power Light
The red A.C. power light is on when the control panel is receiving the proper operating power. Operating power is supplied by a plug-in transformer installed by your alarm company. Be sure that the installers plug the transformer into an outlet that is on at all times (24 hours). The light will go out if the outlet loses power for any reason. If this happens, the standby battery (see photo on right) will power your system.

Standby Battery
The electronic circuitry in your control panel keeps your standby battery charged at all times so that it will be capable of powering your system if you lose A.C. power. You should periodically check the battery — look for corrosion where the wire leads from the control panel circuit board connect to the battery terminals.

cabinet lock

power light

standby battery
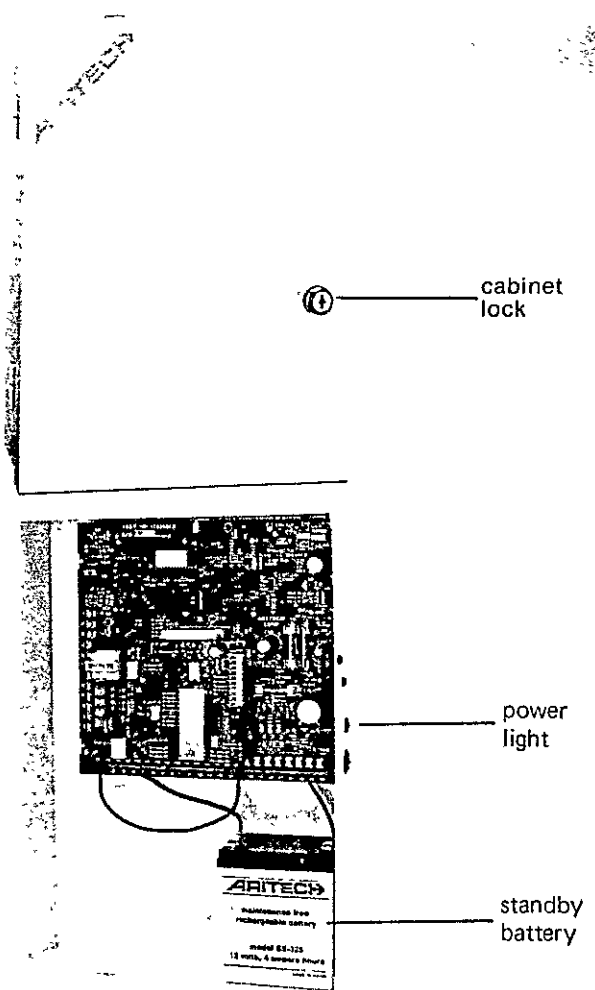
Your Remote Operating Station

The Security Command Center is programmed and easily operated using the remote operating station. The remote station features lights to show the status of your system, and the status of each of the protected areas in your home or business.

Up to five (5) remote operating stations may be used with your system. This allows you to arm, disarm, and check the status of the system from convenient locations around your home or business.

The next page describes the following:
a) what the visual indicators (lights) on your keypad will tell you about the status of your system,
b) the functions of your keypad.
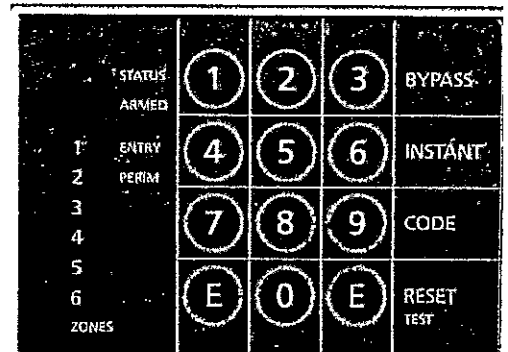
Code Programming Instructions

To protect against unauthorized use of your security system, the remote operating station features automatic "lock-out". If sixteen (16) digits (or keys) have been pressed and the desired function procedure has not been successfully completed, the keypad will "lock-out" for one minute. During this time, the keypad will not allow the user to perform any function of the system. After one minute has elapsed, a tone from the keypad will signal that the keypad is again operative.

Personal Access Code

To program your personal access code after your system has been installed, or to change your current personal access code:

1. Press the CODE key. The green STATUS light will flash to show you that you are in a function mode which allows you to change your access code.
2. If you are establishing an access code for the first time, enter 1-1-1-1. This is the code that is already programmed into your system at the time of installation.
   If you are changing your current personal access code, enter your code at this time. The keypad sounder will emit three (3) "beeps" to acknowledge that a valid code has been entered.
3. Enter the desired new personal access code. The code must be four to six numbers long.
4. Press the CODE key.
5. Enter the desired new personal access code again. This is done to confirm that no keying mistakes were made the first time, and that the correct code is being programmed.
6. Press the CODE key. If both code entries match, the keypad sounder will emit three (3) "beeps" to acknowledge that the new code has been accepted.
   The green STATUS light will light steadily to acknowledge that your Security Command Center has returned to a normal operating condition.

Temporary ("maid") Code

Your Security Command Center may be programmed for a temporary — or "maid" — code. This code, which must be two or three digits long, permits limited control over the system.

The temporary code can fully arm and disarm the system in the normal state, or arm the system with pre-selected interior zones bypassed for "on-premise" protection. You cannot access any other function of the system using the temporary code.

To program the system with a temporary code:

1. Press the CODE key. The green STATUS light will flash to show that you are in a function mode which allows you to enter or change the "maid" code.
2. Enter your personal access code. The keypad sounder will emit three (3) "beeps" to acknowledge that a valid code has been entered.
3. Enter the desired temporary code. The code must be two or three digits long.
4. Press the CODE key. The keypad sounder will emit three (3) "beeps" to acknowledge that the temporary code has been accepted.

There are two (2) ways to eliminate the temporary code:

1. The temporary code will be erased each time you change your personal access code.
2. Press the CODE key. Enter your personal access code. Press the CODE key again.

NOTE: If the main code is used to bypass zones, the maid code cannot eliminate the bypassed zones. You must disarm with your main code to eliminate the bypasses in the system.

Operating Instructions

To protect against unauthorized use of your security system, the remote operating station features automatic "lock-out". If sixteen (16) digits (or keys) have been pressed and the desired function procedure has not been successfully completed, the keypad will "lock-out" for one minute. During this time, the keypad will not allow the user to perform any function of the system. After one minute has elapsed, a tone from the keypad will signal that the keypad is again operative.

Burglar Alarm Operation

To arm the burglar alarm system when you are leaving the premises:

1. Check to see that the STATUS light is on, showing that all burglar alarm devices are in normal condition.

   If the STATUS light is NOT on, check the lights on your keypad marked 1 through 6 to find out which protected zone is not in normal condition. The light WILL NOT BE LIT if the protected zone is normal; the light WILL BE LIT if the protected zone is not in normal condition. After you have determined which protected zone is not in normal condition, check each sensor on that protected zone.

   FOR YOUR OWN PROTECTION, YOUR SECURITY COMMAND CENTER CANNOT BE ARMED IF ANY PROTECTED ZONE IS NOT IN NORMAL CONDITION.

2. Enter your personal access code (or "maid" code). The keypad sounder will emit a short audible signal each time you press a key. After you have entered your code, the sounder will emit three (3) short "beeps" to confirm that a valid code has been entered. The red ARMED light will now be on. Your burglar alarm system is now armed.

3. The keypad sounder will now pulse three (3) times to tell you that the exit delay has been initiated, and three (3) times to tell you that the exit delay has expired. The exit delay period allows you to leave your home after you have armed the system without causing an alarm.
   YOU MUST LEAVE THE BUILDING WITHIN THE SELECTED EXIT/ENTRY TIME. Otherwise, an alarm will occur.
   NOTE: When using an exit delay of fifteen (15) seconds or less, the keypad sounder will pulse once for each second of the delay period.

4. Now all PERIMETER protection is activated. This includes all protected doors, windows, and other entry points. Any violation of these protected areas during the delay period will cause an instant alarm.
   THE EXIT/ENTRY AND INTERIOR PROTECTED ZONES WILL ARM ONLY AT THE END OF THE EXIT/ENTRY DELAY.

On-Premise Protection

You can arm the burglar alarm system with all interior zones bypassed. This means that the interior zones can remain disarmed while the perimeter of the premises remains armed. This will provide you with convenient "on-premise" security.

To arm your burglar alarm system for protection while the premises are occupied:

1. Press the BYPASS key on your keypad.

2. The STATUS light will flash.

   STEPS 3 THROUGH 5 (which follow) MUST BE COMPLETED WITHIN SIXTY (60) SECONDS. If they are not completed within that time, the keypad sounder will emit a three (3) second steady tone. The STATUS light will light steadily, and the entire procedure must be repeated beginning at Step 1.

3. Check to see that the PERIMETER and ENTRY lights on the keypad are off (in normal condition). If either light is on, check the sensors connected to the protected zone(s) not in normal condition.

   FOR YOUR PROTECTION, THE SECURITY COMMAND CENTER WILL NOT ARM IF ANY CIRCUIT IS NOT IN NORMAL CONDITION.

4. Enter your personal access code. The keypad sounder will emit a short audible signal each time a key is pressed. The sounder will emit three (3) short "beeps" to confirm that a valid code has been entered. Now all interior zone lights will flash.

5. Press the BYPASS key. The ARMED light and STATUS light will light steadily. The interior zone lights will continue to flash for five (5) seconds, and then turn off.
   THE BURGLAR ALARM IS NOW ARMED WITH INTERIOR ZONES BYPASSED.

Instant On-Premise Protection

To arm your burglar alarm system with no entry/exit delay while the premises are occupied:

1. Press the BYPASS key on your keypad.
2. The STATUS light will flash.

   STEPS 3 THROUGH 5 (which follow) MUST BE COMPLETED WITHIN SIXTY (60) SECONDS. If they are not completed within that time, the keypad sounder will emit a three (3) second steady tone. The STATUS light will light steadily, and the entire procedure must be repeated beginning at Step 1.

3. Check to see that the PERIMETER and ENTRY lights on the keypad are off (in normal condition). If either light is on, check the sensors connected to the protected zone(s) not in normal condition.

   FOR YOUR PROTECTION, THE SECURITY COMMAND CENTER WILL NOT ARM IF ANY CIRCUIT IS NOT IN NORMAL CONDITION.

4. Enter your personal access code. The keypad sounder will emit a short audible signal each time a key is pressed. The sounder will emit three (3) short "beeps" to confirm that a valid code has been entered. Now all interior zone lights will flash.

5. Press the INSTANT key

6. Press the BYPASS key. The ARMED light and STATUS light will light steadily. The interior zone lights will continue to flash for five (5) seconds, and then turn off. THE BURGLAR ALARM IS NOW ARMED WITH INTERIOR ZONES BYPASSED.

To arm the system with selected zones bypassed:

1. Press the BYPASS key on your keypad. The STATUS light on your keypad will flash.
2. Enter your personal access code. The keypad sounder will emit three (3) "beeps" and all lights of interior zones will flash.
3. Press the key(s) which correspond to the number(s) of the zones to be bypassed. The corresponding zone lights will flash.
4. Press the BYPASS key again. The keypad sounder will emit three (3) "beeps" and the ARMED light will turn on. After five (5) seconds, the zone lights will turn off.

YOUR SYSTEM IS NOW ARMED WITH THE SELECTED ZONE(S) BYPASSED AND WITH EXIT/ENTRY DELAY.

To disarm the burglar alarm system:

1. Enter the building only through a door connected to the ENTRY circuit. The keypad sounder will emit a pre-alarm warning to tell you that the entry delay period has started.

   NOTE: The special SEQUENTIAL ENTRY feature lets you travel through interior alarm sensors during the entry period, provided that you travel through the ENTRY zone BEFORE the interior zone. If this sequence is not followed, the interior sensors will cause an instant alarm.

2. Now enter your personal access code before the entry delay period is over. The keypad sounder will emit three (3) short "beeps" to confirm that a valid code has been entered. The red ARMED light will go out. THE BURGLAR ALARM SYSTEM IS NOW DISARMED.

Fire Alarm Operation

When a fire alarm condition occurs, the following will happen:

1. The fire light on your keypad will light steadily.
2. The ARMED light will flash.
3. The external speaker or bell will sound every 1/2 second.

To reset the fire alarm system:

1. Press the RESET key on your keypad. The light on the smoke detector(s) will lock on to help identify which detector(s) caused the alarm.
2. Depress the RESET key again. The ARMED light will stop flashing. This may or may not reset the fire alarm system. If not, the fire light on the keypad will remain lit. IT MAY BE NECESSARY TO CONTINUE PRESSING THE RESET BUTTON UNTIL ALL OF THE SMOKE DETECTORS CLEAR.

Panic Alarm Operation
To activate the panic alarm (audible or silent):
1. Simultaneously press the two keys labeled "e" on your keypad.

To reset the panic alarm:
1. Enter your personal access code.

To activate the silent 24-hour duress alarm:
1. Enter your duress code which is the same as your personal access code except that you must add two (2) to the last digit.
Example: If your personal access code is 1-2-3-4, enter 1-2-3-6 as your duress code.

An emergency alarm operated by a remote switch or button — not your remote operating keypad — may be connected into your security system. Ask your alarm company representative for details on this capability.

Resetting the System
Fire Trouble Condition
To reset a fire trouble condition:
1. Press the RESET key TWICE. The light labeled "6" will stop flashing and turn off. The keypad sounder will stop "beeping."

Other Trouble Conditions (see page 13)
1. Press the RESET key TWICE. The STATUS light will stop flashing and light steadily. The keypad sounder will stop "beeping."

Fire Alarm Condition
To reset a fire alarm condition:
1. Press the RESET key. This will silence the audible devices. The ARMED light will flash and the "6" light will light steadily.
2. Press the RESET key again. All smoke detectors will reset and the ARMED and "6" lights will revert to normal condition.
Note: If after four (4) seconds, the lights turn on again, it means the detectors have not cleared. Wait for the detectors to clear and press the RESET key again.

Burglar Alarm Condition
To reset a burglar alarm condition:
1. Enter your personal access code. The keypad sounder will emit three (3) "beeps." ARMED light will turn off.
2. Press the RESET key twice. Zone lights stop flashing and turn off.

Short-Term Memory
To reset the system's short-term memory:
AFTER resetting a burglar alarm condition:
1. Press the RESET key twice. All flashing zone lights on the keypad will turn off.

Testing Your Security Command Center

The unique TEST mode feature of the Security Command Center lets you easily test every alarm device on every zone of protection, and verify that all audible and visual signals are working properly.

To enter the TEST mode:

1. Press the RESET/TEST key on your keypad.
2. Within the next sixty (60) seconds, enter your personal access code (the "maid" code cannot be used to initiate the TEST function). The keypad sounder will "beep" three (3) times to confirm that a valid code has been entered, and that the TEST mode has been initiated.

   The keypad sounder will "beep" once every ten (10) seconds throughout the TEST mode to serve as a reminder to you that the Security Command Center is not in the normal operating mode.

   During the first ten (10) seconds of the TEST mode, the long-term memory function of your system will be activated. A zone light on your keypad will blink if any alarm has occurred on that zone since the time the long-term memory was cleared.

To test the burglar alarm system:

1. Test each protected zone of the building by opening a protected door or window, or by violating an interior sensor. If the sensor is functioning correctly, the keypad sounder will emit a steady tone for each violation. Also, the corresponding zone light on the keypad will begin flashing.
2. Restore the sensor to normal condition (close the door or window, or withdraw from the intrusion detector's field of view). The keypad sounder will resume "beeping," and the corresponding zone light on your keypad will continue to flash.
3. Follow this procedure to test each burglar alarm device in your system.

To test the fire alarm system:

1. Consult your smoke detector instruction manual for the method of testing each smoke detector.

To test your system's audible signals:

1. Press the RESET/TEST key for at least 2 seconds. A test of the burglar alarm siren or bell will be initiated.
   AFTER THIS TEST, YOUR SYSTEM WILL AUTOMATICALLY EXIT THE TEST MODE.

If you wish to exit the TEST mode without testing the audible signals:

1. Press and immediately release the RESET/TEST key. All zone lights will be reset and the STATUS light will light steadily to show that the system is in normal operating condition.

Condensed Operating Instructions

FUNCTION	ACTION	RESULT
Arming system →	Input personal access code →	Three beeps-red "Armed" light will turn on -exit time will start
Disarming system →	Input personal access code →	Red "Armed" light will turn off
Instant arming →	Depress "Instant" key → Input personal access code → Depress "Instant" key →	Green "Status" light will flash Three beeps Three beeps-red "Armed" light will turn on-system is now armed with no exit/entry delay
On-premise protection →	Depress "Bypass" key → Input personal access code → Depress "Bypass" key →	Green "Status" light will flash Three beeps-lights of all zones programmed as interior circuits will flash Three beeps-red "Armed" light will turn on-system is now armed with pre-selected exit/entry delay with all interior zones bypassed
Instant on-premise protection →	Depress "Bypass" key → Input personal access code → Depress "Instant" key → Depress "Bypass" key →	Green "Status" light will flash Three beeps-all lights of zones programmed as interior circuits will flash No change Three beeps-red "Armed" light will turn on-system is now armed with all interior zones bypassed and with NO exit/entry delay
Bypassing individual zones →	Depress "Bypass" key → Input personal access code → Depress corresponding → key(s) to zone or zones to be bypassed Depress "Bypass" key →	Green "Status" light will flash Three beeps-lights of all zones programmed as interior circuits will flash Corresponding light(s) will turn on Three beeps-red "Armed" light will turn on-system is now armed with selected zones bypassed and with pre-selected exit/entry delay
Changing the code →	Depress "Code" key → Input personal access code → Input new code (4 to 6 digits) → Depress "Code" key → Input new code for confirmation → Depress "Code" key →	Green "Status" light will flash Three beeps No change No change No change Three beeps to acknowledge that new code has been accepted
Entering a Maid code →	Depress "Code" key → Input personal access code → Input 2-or-3-digit Maid Code → Depress "Code" key →	Green "Status" light will flash Three beeps No change Three beeps to acknowledge that the Maid

Test mode —	Depress "Reset/Test" key — Input personal access code — Depress "Reset/Test" key once testing is complete —	Green "Status" light will flash Three beeps-all lights will turn off Three beeps to acknowledge that system is now in an operating mode
Resetting the burglar alarm —	Enter your personal access code — Press "Reset" key twice —	Three beeps - "Armed" light will turn off All flashing zone lights will turn off
Resetting the fire alarm —	Depress "Reset" key — Depress "Reset" key again —	Audible devices (siren, bell) will be silenced- "Armed" light will continue to flash-light for fire zone will remain steady Power to smoke detectors will be momentarily interrupted to allow them to reset-"Armed" and fire lights will revert back to normal condition NOTE: If after four seconds, the lights turn on again, the detectors have not cleared—Wait for detectors to clear and depress "Reset" key again
Duress code —	Input personal access — code, adding 2 to the last digit. Example: If your code is 1-2-3-4, enter 1-2-3-6 as your Duress code	Silent 24-hour alarm with no light indication will be initiated
Resetting trouble condition —	Depress "Reset" key twice —	Green "Status" stop flashing and light steadily
Resetting a fire trouble condition —	Depress "Reset" key twice —	Zone 6 light will turn off- Beeps from keypad will stop
Chime mode —	Input five (5) 0's —	Three beeps — system now has chime on all perimeter and exit/entry zones
To delete chime mode —	Input five (5) 0's —	Three beeps — chime has now been deleted from all perimeter and exit/entry zones

If your system has wireless devices it will operate in the same manner as a system with hardwired components.

The main difference in a hardwired system is that the panel will display which detector or transmitter has caused an alarm or has a trouble condition.

To display alarms or trouble conditions, enter Display Mode by depressing the white button on the side of your control panel. When the red window on the front of your control panel shows "DSP," you have entered Display Mode.

The following chart explains the conditions that could appear on the display. During an actual alarm or trouble condition, the first two positions display numbers referring to the zone and transmitter. Here they are represented by an 'X' and a 'Y.'

Zone	Transmitter	Condition	Explanation
X	Y	A	In zone X, transmitter Y has alarmed.
X	Y	b	In zone X, transmitter Y has a low battery.
X	Y	C	In zone X, transmitter Y has supervisory trouble.

C — F and E — F are two self-diagnostic conditions that might appear on the display. If these appear, contact your alarm company representative.

The chart below summarizes what the lights on the remote operating keypad will tell you about the status of your system.

LIGHTS   **LIGHT STATUS**

	ON	OFF	FLASHING
Status	All sensors are in normal condition.	A sensor has been violated.	Trouble condition exits or function button has been pressed.
Armed	System is armed.	System is not armed	System is in alarm.
Entry, Perimeter, 3,4,5,6	Corresponding zone has been violated.	All zones are in normal condition.	Alarm event is in memory

Alarm and Trouble Conditions
1. Burglar alarm: Yelping sound
2. Fire alarm: Pulsed horn sound (repeating tone)
3. Trouble conditions (listed below): Remote operating station sounder beeps every 2 seconds, and the following lights will flash:
   a) low battery: STATUS light flashes
   b) fire trouble: Zone 6 and STATUS lights flash
   c) Zone 5 trouble: Zone 5 light flashes
   d) wireless system trouble: STATUS light flashes

   Check the RF point annunciation card inside your control panel or call your alarm company reresentative.

Check the RF card by looking at the red window and depressing the white button on the side of the control panel or call your alarm company representative.

Remote Operating Station Sounder
The sounder of the remote operating station provides audible indication as follows:
1) "Beeps" every time a key is pressed.
2) Emits three (3) successive "beeps" to indicate that a valid code has been entered, or that a keypad operation has been successfully completed.
3) Emits intermittent or continuous tone to indicate that the exit/entry delay is in use. Ask your installer for details on this audible indication.
4) Emits a solid two-second tone if keypad function is not completed within specified time period.
5) Emits solid two-second tone when an improper combination of keys is pressed.
6) Emits solid two-second tone at end of automatic "lock-out" period (one minute). (See page 2.)

Note: It is recommended that you inform your neighbors that you have installed an alarm system, and that you explain to them the meanings of the various audible signals. This is important because your neighbors will then know which authorities to contact in any alarm situation.

Smoke Detector Location

Smoke detectors should be installed in accordance with National Fire Protection Association (NFPA) Standard 74. The following is from NFPA 74:

Smoke detectors shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms and on each additional story of the family living unit including basement and excluding crawl spaces and unfinished attics.[1](see note next page).

For family living units with one or more split levels (i.e., adjacent levels with less than one full story separation between levels), a smoke detector required by the above shall suffice for an adjacent lower level, including basements.

Exception: Where there is an intervening door between one level and the adjacent lower level, a smoke detector shall be installed on the lower level.

Ceiling mounted smoke alarms 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.

Do not install smoke alarms where normal ambient temperatures are above 100° F (37.8° C), or below 40° F (4° C).

Also, do not locate smoke alarms in front of air conditioners, heating registers, or other locations where normal air circulation will keep smoke from entering the detector.

Heat from a fire rises to the ceiling, spreads out across the ceiling surface and begins to bank down from the ceiling. The corner where the ceiling and the wall meet is an air space into which heat has difficulty in penetrating. In most fires, this "dead" air space measures about 4 in. (0.1 m) along the ceiling from the corner and 4 in (0.1 m) down the wall as shown in the drawing on the left below. Heat or smoke detectors should not be placed in this "dead" air space.

Fire Prevention and Escape

The purpose of heat and smoke detectors is to detect a fire in its early stages and sound an alarm, giving occupants more time to exit the premises before smoke reaches a dangerous level.

KNOW FIRE HAZARDS. No detection device can protect life in all situations; therefore, safeguards should be taken to avoid such potentially dangerous situations as smoking in bed, leaving children home alone, and cleaning with flammable liquids such as gasoline.

The best fire protection is minimizing fire hazards through proper storage of materials and good housekeeping practices. Careless use of combustible materials and electrical appliances, or overloading of electrical outlets are major causes of fire. Explosive and fast burning materials must be eliminated from the home.

IN CASE OF FIRE: Leave immediately. Don't stop to pack, or search for valuables. In heavy smoke, hold your breath and stay low—crawl if necessary. The clearest air is usually at the floor. If you have to go through a closed door, carefully feel the door and door knob to see if undue heat is present. If relatively cool, brace your foot against the bottom of the door with your hip against the middle, and one hand against the top edge. Open slightly. If there is a rush of hot air, slam the door quickly and latch it. Unvented fire will build up considerable pressure. Be sure all the household realizes this danger.

Use your neighbor's phone or a street fire alarm box. The job of extinguishing the fire should be left to the professionals. Too many unforeseen things can occur when inexperienced people try to extinguish a fire.

BE PREPARED: Perform fire drills regularly. Use them to assure recognition of an alarm signal. For your protection, simulate different circumstances (smoke in hall, in living room, etc.). Then have everyone react to the situation.

Draw a floor plan and show two exits from each room. It is important that children be instructed carefully. Their tendency is to hide in a crisis.

It is imperative that one meeting place outside the home be established. You should insist that everyone meet there during an alarm. This will eliminate the tragedy of someone reentering the house for a missing member who is actually safe.

If you have children and/or invalids residing in your household, you can help your fire department by placing decals on bedroom windows. Most fire departments supply the decals.

Become familiar with the distinctive sounds of your fire alarm and burglar alarm signals. Refer to the adjacent section titled AUDIBLE AND

Keypad Functions

The STATUS light will light steadily to show that all zones are in normal condition, and that the control panel can be armed. The light will flash to show that a trouble condition exists, or that a function button has been pressed.

The ARMED light will light steadily to show that the system is armed. The light will flash to show that the system is in alarm.

Each of these six (6) lights will turn on steadily to show that the corresponding zone has been violated. The lights will flash to show that there is an alarm event in memory.

A programmable four-to-six digit access code arms and disarms your system, and operates any of the keypad-activated features.
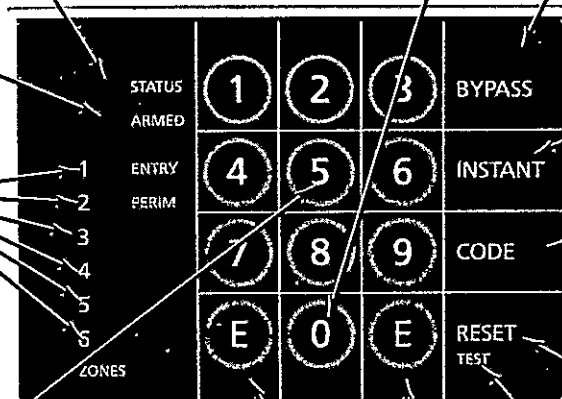
Chime feature can be added or deleted from the system by inputting five 0's. Chime will cause a two second tone from the keypad anytime a perimeter or exit/entry zone is violated in a disarmed state.

The BYPASS key lets you bypass your choice of burglar alarm zones, or arm the system for convenient 'on-premise" protection."

The built-in sounder will tell you that the exit/entry delay is activated, that a digital key is being depressed, that a code or function has been input, or that a trouble condition exits.
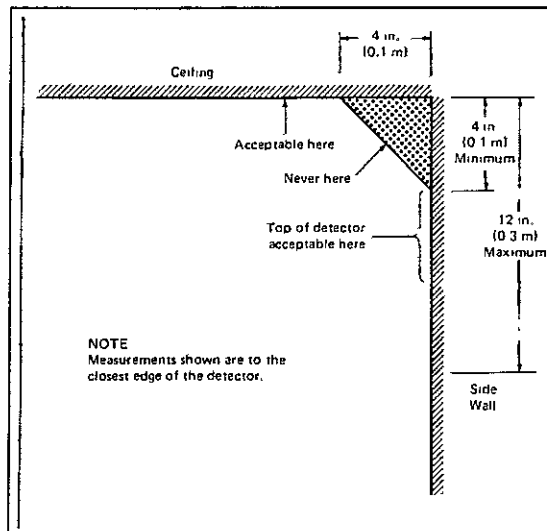
The INSTANT key allows you to arm the system with NO delay on the exit/entry loop. *

The CODE key lets you program a new access code whenever necessary, or to establish a two-to-three digit "maid" code. *
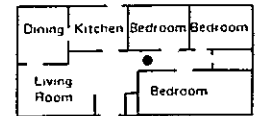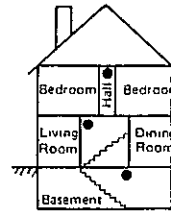
The RESET key will silence the siren, and reset your smoke detectors, the short-term memory, and trouble conditions. *

The TEST key lets you test the system without causing an alarm. You can also test the system's annunciators (lights, sounder), the detectors and switches on every zone, and the siren or bell. *

These keys can be used to initiate two (2) types of panic alarm: audible (bell/siren), and silent. *

STATUS ARMED
ENTRY PERIM
1 2 3 4 5 6
ZONES

(1) (2) (3) BYPASS
(4) (5) (6) INSTANT
(7) (8) (9) CODE
(E) (0) (E) RESET
TEST

*For specific operating instructions for these functions, turn to the OPERATING INSTRUCTIONS section of this manual which begins on page 6.

Ceiling

4 in.
(0.1 m)

4 in
(0 1 m)
Minimum

Acceptable here

Never here

Top of detector
acceptable here

12 in.
(0 3 m)
Maximum

NOTE
Measurements shown are to the
closest edge of the detector.

Side
Wall

A smoke detector should be
located on each story.

Dining | Kitchen | Bedroom | Bedroom

Living
Room

Bedroom

Bedroom | Hall | Bedroom

Living
Room

Dining
Room

Basement

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

Bedroom | Hall | Bedroom

Living Room

Recreation Room

Basement
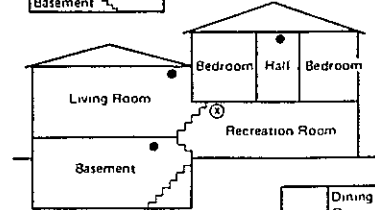
Split Level Arrangement

● Indicates required smoke detector

Ⓧ Indicates smoke detector is optional
if door is not provided between
Living and Recreation Rooms.

TV
Room

Dining
Room | Kitchen | Bedroom

Living Room

Bedroom

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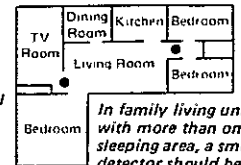
In family living units
with more than one
sleeping area, a smoke
detector should be
provided to protect
each.

[1] The provisions represent the minimum number of detectors required by this standard. It is recommended that the householder consider the use of additional smoke or heat detectors for increased protection for those areas separated by a door from the areas protected by the required smoke detectors under the above. The recommended additional areas are: Living room, dining room, bedrooms (2), kitchen, attic (finished or unfinished), furnace room, utility room, basement, integral or attached garage, and hallways not covered under the above. However, the use of additional detectors remains the option of the householder.

AUTOMATIC "LOCK-OUT"—Keypad becomes inoperative for one minute if, after sixteen (16) digits (or keys) have been pressed, desired function procedure has not been successfully completed. Keypad sounds tone at end of one minute to signal that keypad is again operative. Feature protects against unauthorized use of security system.

BYPASS — Allows you to arm your burglar alarm system leaving the areas of your choice unprotected, or "bypassed."

EXIT/ENTRY DELAY — Allows you to leave the premises within a selected period of time after arming your burglar alarm system, without causing an alarm.

Allows you to enter the premises and disarm the system within a selected period of time, without causing an alarm.

FUNCTION MODE — When system is in this mode of operation, allows user to perform various functions such as code programming.

INSTANT — System is armed with NO exit/entry time delay (see above).

LONG-TERM MEMORY — Stores all alarm occurrences allowing service personnel to easily pinpoint potential problems which may be interfering with the correct functioning of the system.

"MAID CODE" — A two-to-three digit code which may be temporarily assigned for limited access to the system.

ON-PREMISE PROTECTION — Only perimeter zones are armed, allowing movement within the premises without causing an alarm.

PERIMETER ACCESS POINTS — Areas through which the premises may be entered by an intruder, such as doors, windows, skylights, etc. (Refer to diagram on next page.)

SENSOR — An alarm system device which detects an intrusion, or a device which senses smoke.

SEQUENTIAL ENTRY SYSTEM — Allows you to enter the premises through a protected door and pass through a protected interior area before you disarm the system at the keypad, without causing an alarm. (Refer to diagram on next page.)

SHORT-TERM MEMORY — Causes the corresponding light(s) on the keypad to flash when an alarm occurs. Alarm occurrence is stored in long-term memory (see this page) until service personnel clear the memory.

SUPERVISED — When referring to your security system, means that if something goes wrong with any of the system sensors or system wiring, an audible signal from the keypad will alert you to take the appropriate action.

TROUBLE CONDITION — Refers to any malfunctioning of your security system. If this occurs, you will hear a signal from your keypad.

CHIME MODE — When the system is in a disarmed state, any opening of a door or window assigned to the exit/entry or perimeter zones will cause a 2 second tone from the keypad.

Perimeter and Interior Zones

| Dining Room | Kitchen | Bedroom |

TV Room

Living Room

Bedroom

Exit/entry door

Bedroom
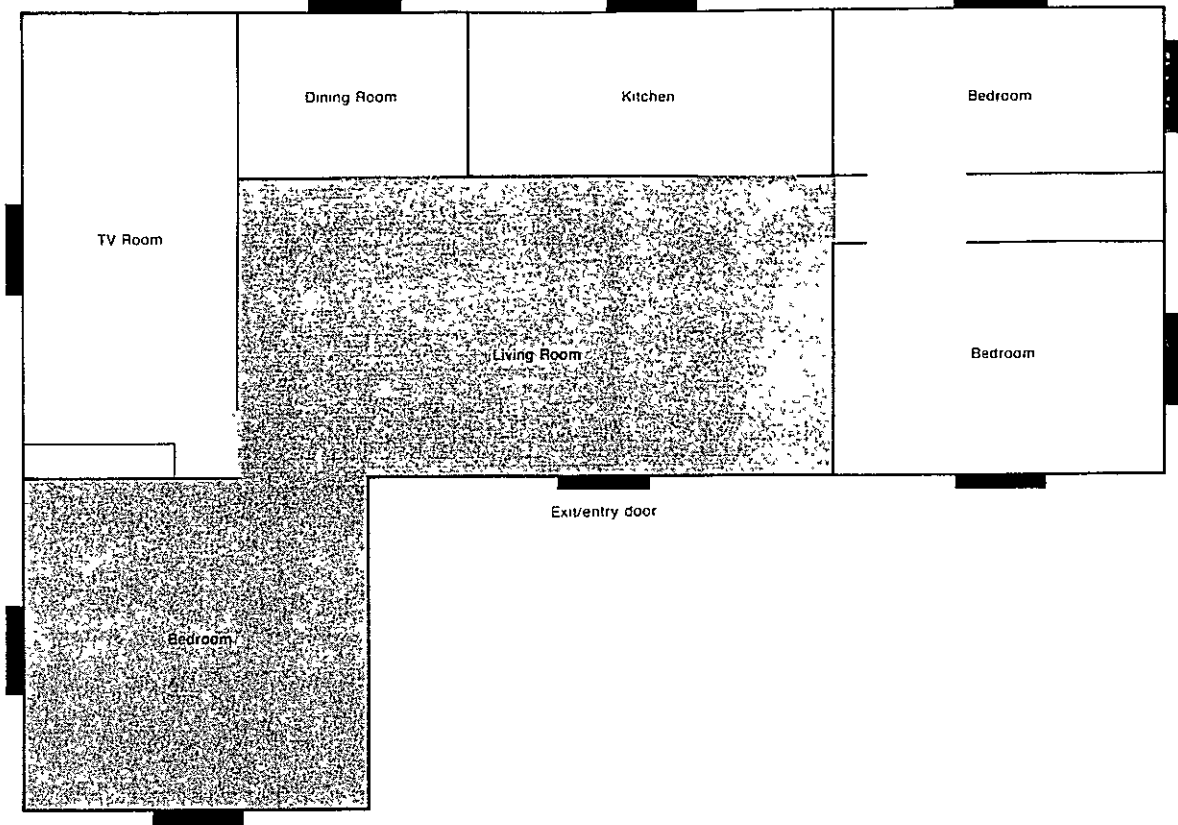
■■■ Perimeter access points (doors, windows)

▦ Interior protected areas

Limited Warranty

If this sale is made for commercial purposes, your LIMITED WARRANTY is as follows:

Aritech and Advisor security system products are warranted solely to the purchaser of the product to be free from defects in material and workmanship for a period of twenty-four (24) months from the date of sale. Defective units returned by the buyer at his own expense during this 24-month period will be repaired or replaced, at the option of the manufacturer. The repaired or replaced equipment will then be warranted for the balance of the initial 24-month warranty period or for ninety (90) days, whichever is longer. Repair or replacement will be without charge provided that the equipment has not been misused, repaired or modified without authorization of the manufacturer. Repair or replacement that does not qualify for free warranty service will be charged to the purchaser at the manufacturer's service rates then in effect ($10 minimum). THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE PURCHASER'S EXCLUSIVE REMEDY WITH RESPECT TO ANY AND ALL LOSSES OR DAMAGES RESULTING FROM ANY CAUSE WHATSOEVER SHALL BE REPAIR OR REPLACEMENT AS SPECIFIED ABOVE. MANUFACTURER SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES, HOWEVER OCCASIONED, AND IN NO EVENT SHALL MANUFACTURER'S LIABILITY EXCEED THE PURCHASE PRICE OF THE PRODUCT. NO SUIT OR ACTION SHALL BE BROUGHT AGAINST MANUFACTURER MORE THAN ONE (1) YEAR AFTER THE ACCRUAL OF THE CAUSE OF ACTION THEREFOR.

If this sale is made for personal, family or household purposes, your LIMITED WARRANTY is as follows:

Aritech and Advisor security system products are warranted solely to the purchaser of the product to be free from defects in material and workmanship for a period of twenty-four (24) months from the date of sale. Defective units returned by the buyer at his own expense during this 24-month period will be repaired or replaced, at the option of the manufacturer. The repaired or replaced equipment is then warranted for the balance of the initial 24-month warranty period or for ninety (90) days, whichever is longer. Repair or replacement will be without charge provided that the equipment has not been misused, repaired or modified without authorization of the manufacturer. Repair or replacement that does not qualify for free warranty service will be charged to the purchaser at the manufacturer's service rates then in effect ($10 minimum). THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO TWENTY-FOUR (24) MONTHS FROM THE DATE OF SALE. THE PURCHASER'S EXCLUSIVE REMEDY WITH RESPECT TO ANY AND ALL LOSSES OR DAMAGES RESULTING FROM ANY CAUSE WHATSOEVER, SHALL BE REPAIR OR REPLACEMENT AS SPECIFIED ABOVE. MANUFACTURER SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES, HOWEVER OCCASIONED, AND IN NO EVENT SHALL MANUFACTURER'S LIABILITY EXCEED THE PURCHASE PRICE OF THE PRODUCT. NO SUIT OR ACTION SHALL BE BROUGHT AGAINST MANUFACTURER MORE THAN ONE (1) YEAR AFTER THE ACCRUAL OF THE CAUSE OF ACTION THEREFOR. SOME STATES DO NOT ALLOW LIMITATIONS ON THE DURATION OF AN IMPLIED WARRANTY, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. THEREFORE, THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU.

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