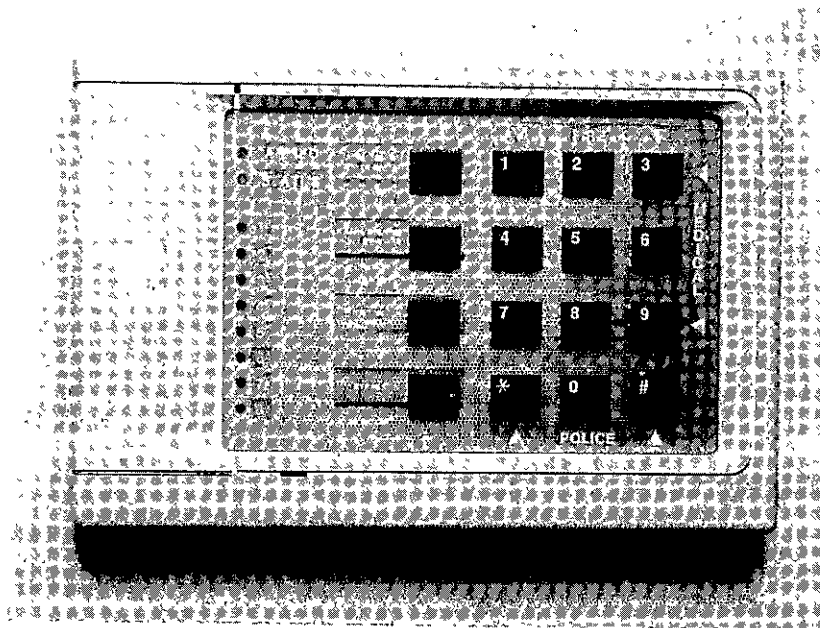

ATENDER[®] 150



User's Manual

CS-152 Control Station

Overview

THANK YOU for purchasing the Aritech CS-150 Security Control. You have taken a big step in protecting your family, home or business. Your system is precision engineered to provide years of reliable performance.

Please read these instructions carefully to become familiar with your new system and take advantage of its many capabilities. After reading, these instructions should be kept in a safe place for future reference.

Security needs vary, therefore, this system has been custom designed to meet your specific requirements. For this reason, the company that sold and installed your system may have included more or less features than indicated in this manual.

Your system consists of three main components. The first component is the CS-150 Security Control panel which provides the main system electronics to which all other system components are connected to and controlled by. The control divides your system into several *zones* which determine areas and type of protection. For instance, zone number one may be used as a main entry door of the intrusion detection system while zone six may be used to provide glass breakage detection. The second system component includes the detection devices. These devices, which are connected to the system zones, may include intrusion detection devices such as door or window contacts, interior motion sensing devices, glass breakage detectors, etc., or may consist of devices to detect other conditions such as flood, furnace failure, or emergency conditions.

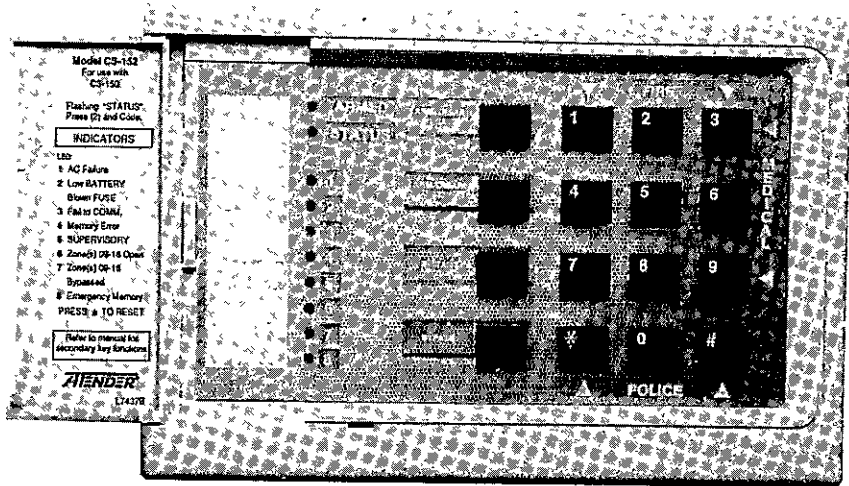
The third system component is the control station through which you control your system and receive information from the control panel.

Your system is controlled by entering a selected *Command Digit* (Function Key) followed by a *Personal Authorization Code* (PAC) at the control station. To prevent unauthorized tampering, the system will lock up for eight seconds and produce an error tone any time an invalid or out of sequence key is pressed. The system can then be cleared by waiting the eight seconds or by pressing the **[*]** (*Reset*) key. Your system is powered by a low voltage transformer and includes a standby battery which takes over in the event of a power outage. The standby battery is constantly being recharged as long as your electricity is on and should provide years of trouble free service.

Please be sure to have the sales and installation company explain the components and operation of your security system. If help is ever needed, refer to the system reference guide for the telephone number of the company that sold and installed your system.

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Control Station Indicator Lights

- ARMED** *If LIGHTED*, the control is armed.
 If NOT LIGHTED, the control is disarmed.
 If BLINKING, an intrusion alarm has occurred. See ALARM MEMORY DISPLAY. This light also blinks during exit delay.
- STATUS** *If LIGHTED*, all zones are secure. The control is ready to be armed.
 If NOT LIGHTED, The control is not ready to be armed. One or more intrusion detection zones are open. The corresponding faulted zone light(s) (01-08) will be lighted.
 If BLINKING, a trouble condition exists (or one or more of zones 09-16 are bypassed). Proceed to the next section:

If the STATUS light is blinking,
 press the 2 key followed by your PAC to obtain a display identifying the trouble condition. One or more of the eight zone indicators (directly below the STATUS indicator) will light to indicate the following:

Lighted Zone Indicator	Indicated Condition and Definition
1	AC Power Failure: The control is not receiving house current. Check house fuses/circuit breakers. Call for service if necessary.
2	Low Battery/Blown Fuse: The system standby battery is low or an internal fuse is bad. Call your security representative for service.
3	Fall to Communicate: The system attempted to communicate with the central monitoring station but failed. Call for service.
4	EEPROM Memory Error: A problem exists within the control panel. Call your security representative for service.
5	Supervisory/Trouble: A supervisory defined zone is faulted (a wire cut, door or window open, etc.). Call for service.
6 †	Zone(s) 09-16 Open: One or more of zones 09-16 are faulted (door or window open). Check appropriate doors/windows.
7 †	Zone(s) 09-16 Bypassed: One or more of zones 09-16 are bypassed (door or window open). See page 9.
8	Emergency Memory: An alarm has been activated by pressing the keypad panic buttons.

† If the number 6 or 7 indicator is lighted, press the number 2 key once more to access a display indicating the status of zones 09 - 16. A steadily lighted indicator means that the zone is open (Window or door left open, etc.). Blinking indicates that the zone is bypassed. Off indicates that the zone is secure. The zone status display will remain on for eight seconds after which the lights automatically switch back to normal mode. This time may be extended by pressing any key except " * ".

Note: Some indicators are capable of displaying two conditions simultaneously. For instance, if an intrusion alarm had occurred and the system was currently disarmed, the ARMED indicator would repeatedly blink for one second, then go out for one second, indicating both DISARMED status and ALARM MEMORY.

Arming And Disarming The Control

Your security system is divided into two areas of protection:

1. **PERIMETER** - The first line of defense. Consists of one or more zones which detect intrusion through doors and windows.
2. **INTERIOR** - The backup or second line of defense. Consists of one or more zones that detect intruders that have already entered the building. Interior detection devices usually consist of motion detection devices, interior door contacts, and under carpet sensors, designed to surprise the intruder.

Your system may also contain one or more **ENTRANCE DELAY** (see "SYSTEM REFERENCE GUIDE"). After electing to **STAY** on premises, you also have the option to turn the entrance delay off. This will cause an **INSTANT** alarm upon violation of a delay zone (opening a delay zone entry door).

Upon arming, you have the option to arm the interior and perimeter simultaneously or you may elect to disable the interior detection or the interior and entrance delay.

Arming The System Prior To Leaving

ARM/DISARM
LEAVE



Before the control can be armed, all of the intrusion zones must be secure as indicated by the green **STATUS** light. If the **STATUS** light is off, one or more zones are faulted. Check to be sure that all protected doors, windows, and other areas are secured and locked. For status of zones 09-16, the **TROUBLE STATUS** key (see page 7) may be used to obtain a display of the zone(s) that are not secure.

1. Verify that the **STATUS** light is on.
2. Press the **LEAVE** key followed by your Personal Authorization Code (PAC).
3. The remote keypad will begin beeping and the red **ARMED** light will blink to indicate that the system is arming.
4. Leave the building immediately.

The control is programmed with an exit delay time which allows a specific amount of time to leave through any delay defined intrusion detection zone without causing an alarm. Refer to the **SYSTEM REFERENCE GUIDE** to determine which zones are delayed and for what period of time. If too much time is taken to exit, the beeping tone will change to a steady tone, indicating the start of entry delay. Disarm the control and start over to avoid a false alarm.

Warning: It is possible to arm the system even if the standby battery is disconnected.

Arming The System Without Leaving

1. Press the STAY key followed by your PAC. The sounder will beep six times and the ARMED indicator will blink. When the exit delay time expires, the ARMED indicator will light steady and the perimeter zones will be armed. The interior zones will be temporarily removed from operation.
2. *If you want the ENTRANCE DELAY to be disabled when the system arms:* Press the INSTANT key before the exit delay time expires. The ARMED indicator will light steady and the system will arm immediately. The interior zones will be temporarily removed from operation and all delayed entry doors will activate an immediate alarm when opened.

ARM/DISARM
STAY



INSTANT



Note: When you disarm, the system automatically reinstates the entrance delay and the interior protection unless your installer has programmed this feature differently.

Disarming Upon Entering The Premises

ARM/DISARM
LEAVE



Your system is programmed with one or more entrance delay zones which allow time to enter the premises without causing an alarm. Different delay zones may have different allowable entrance times so be sure to check in the SYSTEM REFERENCE GUIDE for this information.

1. After entering the premises through a delay zone, the control station will sound a continuous tone to remind you to disarm the system. **CAUTION: If the armed light is blinking, an alarm has occurred. Leave the premises immediately and get to the nearest phone to contact the proper authorities. Do not proceed into the premises.**

Note: If your system has the "Interior Follower" feature enabled, all interior designated zones automatically become delay zones whenever you first enter through a delay zone. This allows you to walk in front of motion detectors on the way to the control station after you enter. Refer to the SYSTEM REFERENCE GUIDE for details on your system.

2. Press either DISARM key followed by your PAC.
3. The red armed light should turn off indicating that the system is disarmed. If the red armed light does not go out, press the clear key “ * ” and repeat step 2.

The ARMED indicator is capable of displaying two conditions simultaneously. For instance, if an alarm had recently occurred and the system was currently disarmed, the indicator would repeatedly blink for one second then go off for one second, indicating both DISARMED status and ALARM MEMORY (Do not confuse this for ARMED status).

Abbreviated Arming

The installing company may have programmed the control with an abbreviated arming feature. This feature will allow you to arm the control and perform other functions using only the LEAVE or STAY key followed by the first digit of your PAC. Disarming however, will still require the entire code sequence.

This feature not only saves time but allows the freedom of letting a non-permanent user, such as a repairman, temporary help, etc., arm the system as they leave without knowing your complete PAC.

What To Do For A False Alarm

**ARM/DISARM
LEAVE**



If for any reason a false alarm does occur, you should do the following:

1. Press either DISARM key followed by your Personal Authorization Code (PAC).
2. The armed light should be off or blinking (to indicate ALARM MEMORY).
3. Notify the appropriate authorities of the alarm immediately.
4. Pressing the “ * ” key will stop the ARMED indicator from blinking.

Monitoring Zones With The System Disarmed



The MONITOR key (6) allows the control to monitor zones when it is disarmed. When the MONITOR is on, the control will beep when any burglar zone is opened.

For example, the MONITOR key will cause the control station to beep three times whenever the front door has been opened. Many businesses use this type of signal to announce that a customer has entered. In a residential application, the MONITOR command might be used to announce children coming and going.

To Turn Monitor On

1. The system must be disarmed.
2. Press the MONITOR key (6) followed by your PAC.
3. The control station will beep three times to signify that the MONITOR is on.
4. The control will beep three times when any burglar zone is opened.

Note: The MONITOR feature does not announce interior zones.

To Turn The Monitor Off

1. Press the MONITOR key (6) then your PAC.
2. The control station will beep two times to signify that you have turned the MONITOR off.

Diagnosing A Problem



Trouble Status Display



Whenever the STATUS light is blinking, a trouble condition exists. The number 2 key is used to define this condition. Pressing the 2 key followed by your PAC will cause the eight zone indicators (the lights directly below the STATUS light) to become trouble status indicators. A lighted indicator represents a particular condition as printed on the inside door of the control station. Complete definitions of each condition are listed on page 3.

1. Press key 2 followed by your PAC to obtain TROUBLE STATUS.
2. Observe the bottom eight indicator(s) which are directly below the STATUS indicator. Read the label on the inside of the control station hinged door to reveal the the condition indicated. Refer to page 3 for complete definitions of the indicated trouble conditions.

Alarm Memory Display



The armed light blinks to indicate that an alarm has occurred. The alarm memory key(3) may be used to identify the specific zone that caused the most recent alarm.

1. Open the control station door to reveal the zone location label.
2. Press key 3 followed by your PAC to obtain ALARM MEMORY information.
3. The lights on the control will indicate alarm memory of zones 01- 08.
4. Any light that is ON indicates the zone that caused the most recent alarm. Read the zone name labels for zones 01-08 on the control station.
5. If your system has 16 zones, press the alarm memory key(3) once again to display zones 09-16.
6. The alarm memory display will remain on for eight seconds after which the lights automatically switch back to the normal mode. The display time may be extended for eight additional seconds by pressing any key except the “ * ”.

Emergency Panic Zones



Emergency zones are permanently armed, 24 hours a day. These zones may be activated by pressing designated buttons on your control station or through separate emergency buttons if installed. Your installer may have enabled or disabled any or all of the emergency zones. Check with the installer for details pertaining to your installation.

To Activate The Auxiliary "A" _____ Emergency Zone

1. Press keys 1 and 3 simultaneously and hold for three seconds.
2. The control station will beep rapidly and the ARMED and STATUS indicators will blink.
3. The AUXILIARY "A" alarm will sound.

To Activate The Auxiliary "B" _____ Emergency Zone

1. Press keys " * " and " # "simultaneously and hold for three seconds.
2. The control station will beep rapidly and the ARMED and STATUS indicators will blink.
3. The Auxiliary "B" alarm will sound.

Note: Your system may be programmed for non-indicating and/or silent Auxiliary "B" operation, in which case there may be no visual or audible indication of alarm.

To Activate The Auxiliary "C" _____ Emergency Zone

1. Press keys 3 and 9 simultaneously and hold for three seconds.
2. The control will beep slowly and the ARMED and STATUS indicators will blink.
3. The Auxiliary "C" alarm will sound.

To Silence And Reset Emergency Zones

ARM DISARM
LEAVE



1. Notify your alarm monitoring service, or the appropriate authorities immediately if the alarm was unintentional.
2. Press the " * " key to silence the control station and the alarm.
3. Press the LEAVE key followed by your PAC to turn off the appropriate indicator light and reset your system.

Zone Bypassing



The BYPASS key is used to bypass selected zones in your system. A bypassed zone will **NOT** be capable of activating an alarm since it is temporarily removed from your system. Bypassing is most commonly used to allow free movement of an area (zone or group of zones) while arming the rest of the system or to temporarily remove a zone or zones that require service allowing partial use of the system until repaired.

Note: When shunts are enabled, security is compromised.

To Bypass A Zone



1. The system must be disarmed.
2. Press the BYPASS key then press two digits, 01-16 corresponding to the zone to be bypassed. (Be sure to enter all zones as two digits: 01, 02, 03, ..., etc.)
3. The corresponding zone indicator will blink. NOTE: STATUS indicator will blink if one or more of zones 09-16 are bypassed. The ZONE STATUS key(2) may be used to verify status of these zones. (See page 3).
4. Repeat steps 2 and 3 to bypass other zones if desired.

To Remove A Bypass From A Zone

1. The system must be disarmed.
2. Press the BYPASS key then the number of the zone to be restored to service, 01-16. (Be sure to enter all zones as two digits: 01, 02, 03, ...etc.)
3. The STATUS light will stop blinking unless another zone is bypassed.

To Remove All Bypasses

1. Press the BYPASS key then 9.
2. The zone indicators (and/or STATUS indicator) will stop blinking when all zone bypasses are removed.

To Automatically Bypass All Faulted Zones

1. Press the BYPASS key then 0 plus 0.
2. All faulted zones will automatically be bypassed. The indicator(s) corresponding to the zone(s) bypassed will blink after eight seconds.

Force Arming (This feature is disabled in U.L. Listed systems)

Your system may be programmed for quick arming even with one or more zones faulted. In this condition, when an attempt is made to arm the system with faulted zones (STATUS light OFF), the control station will emit a two second error tone, indicating that the system refused to arm. If a second attempt to arm is made within eight seconds after the tone quits, all faulted zones will automatically be bypassed and the system will *Force Arm*. Depending upon how your system was programmed at the time of installation, force armed zones will either be permanently bypassed until disarming or may return to operation when or if they become operable.

Additional Features



The Reset Key

The “ * ” key is used to reset the control station after an improper code sequence has been made. It also silences the control station for Auxiliary “A”, “B”, and “C” alarms and silences the audible alarms for Auxiliary “A” and “C”. However, the does not cancel reporting to the central station , if enabled. When in doubt, press the “ * ” key and begin again.

Keyswitch Operation

Your system may also have a conventional keyswitch for arming and disarming only.

Arming

1. Verify that the STATUS light is on.
2. Insert your key into the lock and turn. Hold for one second and release.
3. The red ARMED indicator will light indicating that the system is armed.

Disarming

1. Insert the key into the lock and turn. Hold the key for one second and release.
2. The ARMED light will go off indicating that the system is disarmed.

Note: Your system may also be capable of performing other features from the key switch. Consult your installer for the particulars of your system.

Remote Programming

Your system may be serviced remotely from the alarm company's central station or service office providing that the system is set up for *Remote Programming*. Look to see if the box labeled "Remote Programming Enabled" is checked on page 15 or check with your security representative.

Programming



Certain features of your system are programmable through the control station. Pressing the PROGRAM command (9) and entering the Master Programming Code places the system into programming mode. This code is used for programming only. Other programming functions may be possible that are not detailed in this section. Consult your security representative for a list of the user programmable features of your system. Obtain the Master Programming Code from your security representative and record in the space provided below.

MASTER PROGRAMMING CODE — — — — —

WARNING: *Do not attempt to program the system unless you have been properly trained on programming procedures and you are sure that you fully understand this operation.*

Changing Your Personal Authorization Code (PAC)

Your system has the capability of being programmed for use of up to 16 personal authorization codes plus 1 temporary authorization code. Each code may be added, deleted, or changed as necessary. The temporary code may also be programmed for the amount of times that it will function. The system requires each code to be of five digits in length. Shorter codes are possible by programming zeros as the remaining digits. The zeros will not become part of the code. Therefore, no code may end in zero. For example, a code of 234 would be programmed as 23400.

Determine your new personal authorization code. If you make an error while programming, press the **[*]** (RESET) times and start over from step 1.

WARNING: *Pressing the **[*]** key while programming a code may result in improper code operation, therefore you MUST return to step 1 when an error is made.*

1. The system must be disarmed.
2. Press the PROGRAM command (9) then enter the MASTER PROGRAMMING CODE. The control station will emit two beeps and all indicator lights will blink when the programming mode is successfully entered (see note † on page C).
3. Press the number corresponding to the personal authorization code you wish to program then press the # key. For example, press 1 then # to program PAC 1, or 6 then # to program PAC 6, etc. The control station will beep three times to signify acceptance.

4. Enter the 5 digits for the new PAC. This code must be five digits in length. A shorter code is possible by entering zeros into any unused locations following the desired code. (No actual code may end in zero). After the fifth digit is entered, the control station will emit one short beep followed by one long beep then the system will exit the programming mode automatically. To program another code, return to step 2.

Programming A Temporary Code (PAC17)

An optional feature of your system allows you to assign a certain number of valid uses to Personal Authorization Code 17. After the code has been used the programmed amount of times, it automatically becomes disabled. This code may be assigned to a maintenance man, a maid, or anyone who you would like to be able to arm and disarm the system for a selected number of times without having to give out your regular PAC. After the uses have expired, the code can be re-enabled by programming in another number indicating how many times that it can be used. It will not be necessary to re-program the actual code unless changing the code itself is desired.

1. The system must be disarmed.
2. Press the PROGRAM command (9) then enter the Master Programming Code. The control station will beep two times. All indicator lights will blink. (See note ¶ on page C).
3. Press keys 1 plus 7 plus # which instructs the control that you wish to program the desired code sequence for PAC17. The control station will beep three times.
4. Enter the desired code sequence for PAC17. This code must be five digits in length. A shorter code is possible by entering zeros into any unused locations following the desired code. (No actual code may end in zero). After the fifth digit is entered, the control station will emit one short beep followed by one long beep then the system will exit the programming mode automatically.
5. Repeat step 2 to re-enter the programming mode.
6. Press keys 1 plus 9 plus # which instructs the control that you wish to program the number of valid uses for PAC17. The control station will beep two times.
7. Enter the number of uses desired, 1 - 255, then . The control station will beep two times.
8. Press to exit the programming mode automatically.

Note: *The temporary code may perform all of the functions of your regular PAC.*

Changing The Master Programming Code

The Master Programming Code authorizes you for system programming only and does not arm or disarm or operate other commands. The Master Programming Code must be 5 digits in length.

1. The system must be disarmed.
2. Press the PROGRAM command (9) then enter the current Master Programming Code. The control station will beep two times. All indicator lights will blink.†
3. Press 1 plus 8 plus # which instructs the control that you wish to change the Master Programming Code.
4. Enter the 5 digits for the new Master Programming Code. This code must be five digits in length. A shorter code is possible by entering zeros into any unused locations following the desired code. (No actual code may end in zero). After the fifth digit is entered, the control station will emit one short beep followed by one long beep then the system will exit the programming mode automatically.

† Note regarding Remote Programming ability:

If the bottom light on the control station remains steady (ON) after entering the programming mode, this indicates that the Remote Programming ability has been enabled. This is a feature that permits the installing company (or someone assigned by them) to troubleshoot and remotely control features of your system.

Deleting A Code

1. The system must be disarmed.
2. Press the PROGRAM command (9) then enter the Master Programming Code. The control station will beep two times. All indicator lights will blink. †
3. Press keys 2 plus 2 plus # which instructs the control that you wish to delete a code. The control station will beep three times to signify acceptance.
4. Enter the number of the code to be deleted. This number must be 2 digits in length. Example: Pac number 1 must be entered as 01.
5. The code is now deleted. The system will automatically exit the programming mode.

† Note regarding Remote Programming ability:

If the bottom light on the control station remains steady (ON) after entering the programming mode, this indicates that the Remote Programming ability has been enabled. This is a feature that permits the installing company (or someone assigned by them) to troubleshoot and remotely control features of your system.

Fire Detection

Your system may or may not include fire detection, depending upon what options were purchased, and the local codes and regulations for your area. It should be noted that all fire systems require regular testing and maintenance. Common household dust build-up in smoke detectors can cause them to false alarm or fail in a time of need. Consult your security representative for a scheduled maintenance program.

What To Do If The Fire Alarm Sounds

1. The red STATUS light will be blinking.
2. Press the “ * ” key to silence the remote keypad and the audible alarm.
3. The red STATUS light will remain blinking.
4. Press the TROUBLE key(2) then your Personal Authorization Code (PAC) obtain trouble status. If the number 5 trouble status light is lighted, a *Fire Supervisory/Trouble* condition exists. Refer to the following section.
5. Notify the alarm monitoring service or the proper authorities immediately if the alarm was unintentional.

Fire Supervisory/Trouble (Resetting Smoke Detectors)

Many smoke detectors "latch on" and illuminate a built in indicator when triggered. This feature allows you to determine which detector caused the alarm. If a smoke detector remains latched after resetting a fire alarm activation, the STATUS indicator will be blinking and upon obtaining status information (as explained above) the number 5 light will be on. If this condition exists:

1. Check all smoke detectors for the presence of a latched condition to determine which detector triggered the alarm. If all detectors appear normal, a wire may be broken or shorted. Call your security representative for service.
2. Press the SMOKE/BATTERY RESET key(7) then your Personal Authorization Code (PAC). The system will attempt to reset the smoke detectors and also test the system battery. The system will automatically exit this mode when the test is completed. If the smoke detector did not reset, the STATUS light will continue to blink. Call your security representative for service.

Electrical Power And The Standby Battery

The system constantly monitors the condition of the control panel fuses, standby battery, and checks for the presence of AC electrical power. In the event of electrical power loss, your system will switch automatically to a standby battery. This battery should power the system for a minimum of 4 hours and recharge when the electrical power is restored. The control monitors the standby battery voltage level whenever AC power is lost and performs an automatic test every 24 hours. If a problem is detected, the STATUS light will blink. Upon pressing the TROUBLE STATUS indication key(2) followed by your PAC, the AC FAIL (ZONE 1) or LOW BATTERY/BLOWNFUSE (ZONE2) indicator light will light steady to indicate the following:

AC FAIL (ZONE 1) Indicator lighted

If this indicator is lighted for any reason other than a neighborhood power failure, a complete check of the buildings' circuit breakers or fuse panel and the plug-in transformer that powers the alarm system should be performed. If the problem cannot be found or corrected, call your security representative for service.

LOW BATTERY/BLOWNFUSE (ZONE 2) Indicator lighted

If this indicator is lighted, the system battery is weak or an internal fuse is blown. The " * " key may be pressed to silence the control station, if it is beeping. Extended power outages will discharge the battery. However, it normally recharges itself within 16 hours. Manually test the battery after it has had time to recharge. If the battery fails the test again, call your security representative for service.

Manually Testing The Battery



1. Press the number 7 key followed by your PAC to test the system battery.
2. Wait 5 seconds.
3. If the battery is weak, the STATUS light will start blinking and the control station will beep rapidly.
4. The " * " key may be pressed to silence the control station, if it is beeping.

Audible Zone Testing



The TEST mode commands the control station to beep continuously and light the corresponding zone indicator, each time a zone is violated. The zone indicator of each tested zone will remain lighted while each succeeding zone is tested. Testing can be performed only while the system is disarmed.

Note: A lighted zone indicator means that at least one sensor of that particular zone has been tested. It does not necessarily mean that all sensors of that zone were tested. It is recommended that you test your system on a weekly basis.

1. The system must be disarmed.
2. To simplify testing, all zones should first be secured or the control station will beep continuously as soon as test mode is entered. The zone indicator lights, however, will still indicate each tested zone.
3. Press the test key(8) followed by your PAC to test zones 01-08.
4. Open any protected door or window. The control station will beep and the zone violated will illuminate on the control station.
5. Close the door or window. The control station will stop beeping.
6. You may also want to walk test motion detection devices to check whether the pattern is covering the areas of concern.
7. Begin at step three to test the remaining sensors.
8. Press 8 again to test zones 09-16.
9. Press the “ * ” key when finished testing.

NOTE: Your system should be regularly tested at least once per week to insure proper operation. Contact your security representative for complete instructions on regular system maintenance and testing procedures.

Supervisory/Trouble

Your installer may have programmed certain zones to alert you of Supervisory/Trouble conditions. In other words, the control will supervise the zone so as to notify you of faults (breaks in wiring, etc.), even when the system is disarmed. The system responds by causing the sounder to beep, flashing the STATUS light, and lighting the indicator corresponding to the faulted zone (01-08). Supervisory/Trouble conditions may be verified by pressing the 2 key followed by your PAC. If a Supervisory/Trouble condition exists, the ZONE 5 indicator will light. Refer to the SYSTEM REFERENCE GUIDE to determine if any zones are programmed for Supervisory/Trouble notification.

□ What To Do If A Supervisory/Trouble Condition Exists

1. Press the “ * ” key to silence the control station.
2. If the condition continues, call your security representative immediately for service.

Zone Definitions

Zone	Zone Type	Area of Detection	Alarm Time (minutes)	Alarm Output (Horn/Bell **)
01	_____	_____	_____	_____
02	_____	_____	_____	_____
03	_____	_____	_____	_____
04	_____	_____	_____	_____
05	_____	_____	_____	_____
06	_____	_____	_____	_____
07	_____	_____	_____	_____
08	_____	_____	_____	_____
09	_____	_____	_____	_____
10	_____	_____	_____	_____
11	_____	_____	_____	_____
12	_____	_____	_____	_____
13	_____	_____	_____	_____
14	_____	_____	_____	_____
15	_____	_____	_____	_____
16	_____	_____	_____	_____

**** Fire zones have horn output, Burglar zones have bell output.**

_____ Seconds **Exit delay time** for all Interior and Delay zones

_____ Seconds **Entrance delay 1** for zone(s) _____

_____ Seconds **Entrance delay 2** for zone(s) _____

Interior Follower Feature Enabled Remote Programming Enabled

Access Feature Enabled for PAC _____

Force Arm Feature Enabled

Zone Type: D1 = Delay1 D2 = Delay2 I = Instant Ir = Interior S = Supervisory

Glossary

ALARM MEMORY: Indication of the zone that last alarmed.

ARM: To turn the intrusion detection system on.

BYPASS: See SHUNT.

COMMAND: Consists of a command digit and your Personal Authorization Code (PAC). Allows you to control your system.

COMMAND KEY: The first key pressed for a command which notifies the system of the desired operation.

CONTROL PANEL: The main system electronics housed in a metal enclosure.

CONTROL STATION: A terminal where commands are entered and all status information is displayed

DELAY ZONE: Zone which allows a programmable amount of time to enter and disarm the system without activating an alarm. Also provides an exit time to leave the premises after arming. "Delay" may be assigned to any number of zones.

DISARM: To turn the intrusion detection system off.

ENTRANCE DELAY: Time permitted to enter and the armed premises.

FORCE ARM: To override. To force the system to arm when one or more zones are not ready.

INDICATOR LIGHTS: The eight lights on the control stations.

INTERIOR: Zones consisting of motion detectors or interior door contacts designed to detect intruders that are already within the perimeter of the premises. The second line of defense.

INTERIOR FOLLOWER FEATURE: Converts interior zones to delay zones upon entry through a delay door. Interior follower provides passage through interior detection zones to the control station in order to disarm the system.

KEYPAD: A generic term for the control station.

MASTER PROGRAMMING CODE: A code which must be entered to permit entry into the programming mode of operation.

PERIMETER: Zones consisting of exterior door and window contacts. The first line of defense.

PERSONAL AUTHORIZATION CODE (PAC): A code that is entered through any control station to authorize a selected command.

PROGRAM: To set the operating characteristics of the main system electronics.

REMOTE PROGRAMMING: The ability to service the system from a remote location (specified by your security representative) with the aid of an IBM PC® or compatible computer.

RESET KEY: The key. Used to clear improper numeric entries and to silence the control station sounder.

SENSORS: Devices that detect violations and report such conditions to the control panel. Sensors include door and window contacts or any device used to inform the control of a particular condition.

SHUNT: To bypass or temporarily remove a zone from the system.

SUPERVISORY/TROUBLE: Indicates that a fault (such as a shorted or broken wire) exists on a FIRE or other 24 hour zone. For special applications, intrusion detection zones may also be programmed for supervisory/trouble alert.

TWENTY FOUR HOUR ZONE: A zone that is permanently active 24 hours a day such as a FIRE or EMERGENCY zone.

ZONE: A specific area of detection that can be individually controlled or bypassed.

Emergency Evacuation Plan

PREPARATION AND EDUCATION ARE OF PRIME IMPORTANCE IN FIRE PREVENTION. ESTABLISH A HOUSEHOLD EMERGENCY EVACUATION PLAN IN THE EVENT OF FIRE.

1. Evaluate all possible escape routes from your home and draw a floor plan.
2. Select two exit escape routes from each room.
3. Rooms on second floor have a rope ladder.
(Be sure it will reach the ground.)
4. Draw a rough sketch of your escape plan so that everyone is familiar with it.
5. Practice your escape plan to assure that everyone knows what they have to do.
6. Establish a meeting place outside where your family is to report.
7. Advise the local fire authority that you have installed a fire alarm system.

ALSO INCLUDE THE FOLLOWING INFORMATION WITH YOUR EVACUATION PLAN:

The following should be discussed with the family:

1. Familiarity with alarm signal.
2. Status of bedroom doors.
3. Testing of door during a fire and use of alternate escape routes if HOT to touch.
4. Crawling and holding breath.
5. Escape FAST, NO STOPPING for packing.
6. Emphasize that no one is to return to a burning house.
7. Fire department notification from a neighbor's telephone.

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CS-150 Quick Reference Guide

ARMING BEFORE LEAVING

1. STATUS light must be on.
2. Press LEAVE and your PAC.
3. Control station will beep and red ARMED indicator will light.

ARMING WITHOUT LEAVING (Arming with Interior off)

1. Press STAY.
2. Enter your PAC.

ARMING WITHOUT LEAVING (Arming with Interior off and Delay off)

1. Press STAY.
2. Enter your PAC.
3. Press INSTANT.

DISPLAY ZONE 09-16 STATUS

1. Press 2 and your PAC.
2. Press 2 obtain display.

LIGHT ON	ZONE OPEN
LIGHT OFF	ZONE SECURE
LIGHT BLINKING	ZONE BYPASSED

DISARMING WHEN ENTERING

1. A steady warning tone will sound.
2. Press LEAVE and your PAC.
3. The ARMED indicator should go off.

BYPASSING A ZONE

1. The system must be disarmed.
2. Press BYPASS and the zone number to be bypassed, 01-16.
3. The ZONE 01-08 light(s) will blink. (If zone(s) 09-16, STATUS light will blink.
4. Press [*].

BYPASSING ALL FAULTED ZONES

1. The system must be disarmed.
2. Press BYPASS then 0 plus 0.
3. All faulted zones will blink their corresponding zone indicator.
4. Press [*].

REMOVING ALL BYPASSES

1. The system must be disarmed.
2. Press BYPASS then 9.
3. The ready light will stop blinking.

WHAT TO DO FOR A FALSE ALARM

1. Press LEAVE and your PAC.
2. Alarm should silence.
3. If alarm is still on, press [*] and start over.
4. Notify the appropriate authorities.

DISPLAY ALARM MEMORY

1. Press 3 and your PAC.
2. The indicator that is lighted indicates the zone that triggered the most recent alarm (zones 01-08).
3. Press 3 again to display zones 09-16.
4. Reset the blinking ARMED indicator by pressing [*].

TESTING THE ZONES

1. The system must be disarmed.
2. Press 8 and your PAC to test zones 01-08
3. Violate a zone (open a door, etc.). Control station will beep and the corresponding tested zone indicator will light.
4. Restore the tested device to service. The Control station will stop beeping but zone indicator will remain lit.
5. Repeat steps 2-4 for each of the eight zones to be tested.
6. Press 8 again to test zones 09-16.
7. Press [*] when finished testing.

TESTING THE BATTERY

1. Press 7 and your PAC.
2. Wait 5 seconds.

STATUS LIGHT ON: Battery OK

STATUS LIGHT BLINKING: System battery may be weak or control panel fuse blown.

**WHEN IN DOUBT,
PRESS [*] AND BEGIN AGAIN**

LIMITED WARRANTY

TERMS

Aritech Moose Security Products, a division of Aritech Corporation warrants that this product meets its design specifications and that it will be free from defect in materials or workmanship in normal use and service for the 24 months immediately following the date code stamped on the product. The first digit of the date code is the tester number, the next three digits represents the day of the year, and the last two digits are the year.

PURCHASER'S RIGHTS

Aritech Moose Security Products will repair or replace at its option, without charge for materials or labor, any part which proves to be defective in materials or workmanship in normal use and service. Should you discover that the product is defective within the warranty time period, you should contact any Aritech Moose Security Products dealer who will instruct you on the proper procedure for return. The cost of return transportation of the product to Aritech Moose Security Products is the responsibility of the purchaser. If for any reason you are dissatisfied with the suggested procedures, you may contact us in writing at: Aritech Moose Security Products, Customer Service Department, P.O. Box 2904, Hickory, N.C. 28603.

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THE ABOVE IS A LIMITED WARRANTY AND IT IS THE ONLY WARRANTY MADE BETWEEN ARITECH MOOSE SECURITY PRODUCTS AND PURCHASERS. It supercedes all proposals, promotions, representations, or prior warranties, verbal or written, and any other communications between the parties relating to the subject matter of the warranty. ARITECH MOOSE SECURITY PRODUCTS MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, AND SPECIFICALLY EXCLUDED ARE ALL WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow the exclusions of implied warranties; if the above is true, the exclusions may not apply to you.

The warranty shall not apply if the product has been misused or altered, or if it has been repaired or serviced by anyone other than Aritech Moose Security Products.

Aritech Moose Security Products makes no representation that this product will prevent personal injury or property loss or that the product will in all cases provide adequate warning or protection. Purchaser is on notice that a properly installed and maintained alarm system may only reduce the risk of a burglary, robbery, or fire without warning, but the alarm is not insurance or a guarantee that such will not occur or that there will be no personal injury or property loss as a result. THEREFORE, ARITECH MOOSE SECURITY PRODUCTS SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES IN CONNECTION WITH THE USE, INSTALLATION AND/OR MAINTENANCE OF THE PRODUCT, including, but not limited to the liability for any property damage, bodily injury, or other loss based on a claim that the product failed to give warning, or any cost of expense of providing substitute equipment or service during periods of malfunction, nonuse or maintenance. In no event shall the liability of Aritech Moose Security Products exceed the purchase price of the product.

Some states do not allow the exclusion of liability for consequential or incidental damages, so the above limitation may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

FCC COMPLIANCE

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications of Subpart J or part 15 of FCC rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient the TV or radio antenna.
2. Relocate or move the alarm control away from the receiver.
3. Plug the transformer for the alarm control into a different outlet so that the receiver and the alarm are on different branch circuits.
4. If necessary, the user should consult the alarm dealer or an experienced radio/television technician for additional suggestions.

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 stock #004-000-00345-4.

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