How to Use the Z700 Security Control

L7451

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Z700R Control Station

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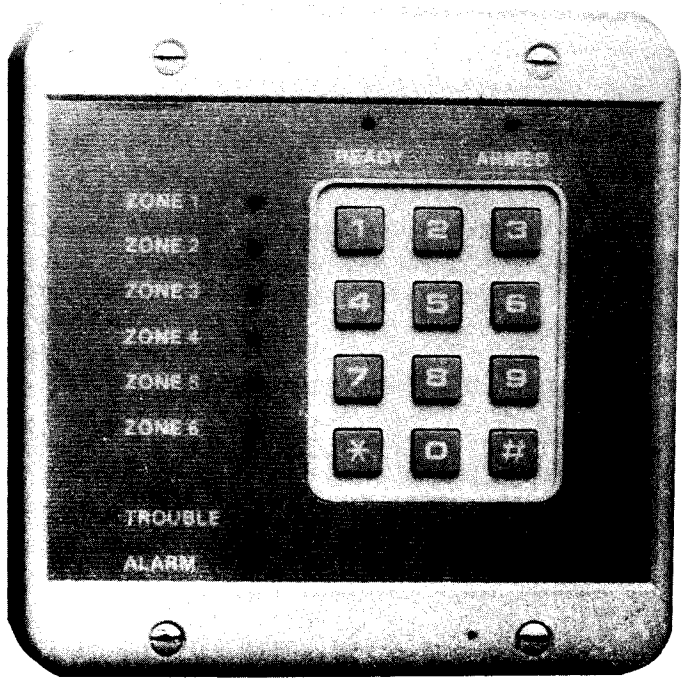

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Z700R Control Station

Thank you for choosing the Z700 Security Control. When properly installed and maintained, the system will provide years of reliable operation. It should be noted however, that no security system provides total protection over life or property. The following is a list of precautions that should be adhered to:

1. **Please read this manual entirely** and keep it in a secure place. If you have any questions, contact your security representative right away.
2. The system must be tested at least once per week to ensure proper operation. Contact your security representative for testing procedures and to schedule a regular maintenance program.
3. If the system is malfunctioning, have service performed as soon as possible and only by qualified professionals.
4. If alterations are made to the buildings electrical system, be sure that changes are not made that could affect uninterruptable power to the control panel.
5. If service is performed to the telephone system, test the system to be sure that communication to the central station is not interfered with.
6. No security system can detect intrusion or other emergency conditions in all circumstances. Be sure to have your security representative instruct you on areas of vulnerability and recommendations for future upgrades to the system.
7. Motion detectors are designed to detect specific types of motion within a defined area. Intruders cannot be detected in obstructed areas such as behind walls and closed doors. Be sure that you fully understand exactly what areas are and are not protected and under what conditions (temperature and time variations, etc.).
8. Smoke detection devices cannot detect all types of fire, nor do they perform under all circumstances. Have your security representative explain the limitations of the fire system to you and your family. Have smoke detectors cleaned and tested on a regular basis.
9. Security systems rely upon AC as a primary power source. When AC fails, the control will be powered by a standby battery. For this reason, the standby battery should be checked and replaced by a qualified service technician at regular intervals.
10. The system is capable of being armed with AC power absent. The system could then fail if the battery voltage falls below the acceptable range, before AC power is restored. It should be noted that it is possible to arm the system with the standby battery disconnected.
11. If the control station "Trouble" light is ever on, contact your security representative immediately to determine the nature of the "Trouble" condition.
12. If upon returning to the building it is discovered that an alarm has occurred, **DO NOT ENTER THE PREMISES.** Get to the nearest telephone immediately and contact the proper authorities.
13. U.L. requires audible burglar alarms to be provided by a bell and fire alarms to be provided by a horn.

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System Reference

Zone 1 = _____ Auxiliary "A" = _____

Zone 2 = _____ Auxiliary "B" = _____

Zone 3 = _____ Auxiliary "C" = _____

Zone 4 = _____ Alarm Co. [__] _____

Zone 5 = _____ Police [__] _____

Zone 6 = _____ Fire [__] _____

Panic = _____

Ready Status

If lighted, the system is ready to be armed.

If not lighted, one or more zones are faulted. Indicators of zones at fault will be lighted.

Armed Status

If lighted, the system is armed.

If not lighted, the system is disarmed.

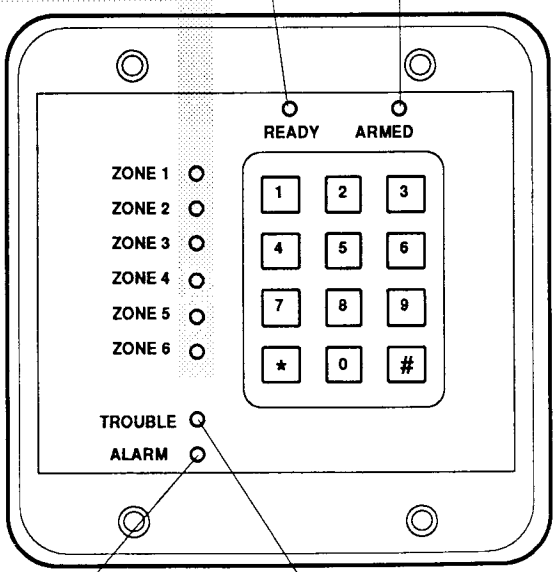
If blinking, time is being provided to exit the building, after which the system will be fully armed.

Individual Zone Status

If lighted, zone is not secure. Check doors, windows, etc.

If not lighted, zone is secure.

If blinking, zone is bypassed.



Alarm Indicator

If lighted, an alarm has occurred.

Trouble Indicator

If lighted, a trouble condition exists. Contact your security representative.

Operating Your System

ARMING

Arming The System Prior To Leaving

Before the control can be armed, all of the intrusion zones must be secure as indicated by the green READY indicator. If the READY indicator is off, one or more zones are faulted. The indicator(s) corresponding to the faulted zone(s) will light. Refer to the System Reference page to determine the Areas of Protection that are faulted, then check those specific doors, windows, etc. protected by the indicated zone(s).

1. Verify that the READY indicator is on.
2. Enter your User Code.
3. The control station will begin beeping and the red ARMED indicator will blink to indicate that arming will take place after the exit time expires. (The ARMED indicator will light steady after the system arms).
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. Be sure that you have been informed on routes to enter and exit from without causing an alarm. 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.

Arming The System Without Leaving

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.

Prior to arming the control, you may first choose to turn off the interior protection, allowing free movement within the building when armed.

❑ Turning Off the Interior Zones and Entrance Delay

Control station key 4 may be used to turn the interior zones off prior to arming. This will allow the system to alarm instantly if the entrance door is opened, while armed.

1. Press the 4 key and hold for three seconds.
2. When interior defined zones are turned off, the corresponding Zone indicators will flash. The flashing will stop 30 seconds after the system is armed.
3. Arm the system by entering your User Code.

Note: Upon disarming, the interior zones automatically re-enable unless your installer has altered this feature through programming.

❑ Automatic Interior Off/Delay Off

Your system may have been programmed to automatically turn the interior zones off if you arm and do not leave the premises before the exit delay time expires. The entrance delay may also be programmed to automatically turn off at this time. When the system is disarmed, the interior and delay will return to their normal on or off state. See your security representative for details.

❑ Two Digit Arming

Your system may have been programmed with an abbreviated arming feature. When this feature is enabled, only the first two digits of your User Code will be required to arm the system and perform other features. Disarming however, will still require the entire code sequence.

System Will Not Arm (READY Light Off)

If the READY indicator is off, one or more detection devices such as a door or window has been left open. The system cannot be armed. One or more of the six ZONE indicators will also be lighted indicating the area of protection that is at fault. Refer to "System Reference" on page 2 to define the area of protection assigned to each zone.

NOTE: If an attempt is made to arm the system with the READY light off, a three second error tone will be emitted to alert you that the system did not arm.

DISARMING

Disarming Upon Entering The Premises

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 entry times so be sure to check with your installer.

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.

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 ALARM indicator is lighted, an alarm has occurred. Leave the premises immediately and go to the nearest phone to contact the apropriate authorities. Do not procede into the premises.

2. Enter your User Code.
3. The red armed light should turn off indicating that the system is disarmed.

ALARM CONDITIONS

What To Do If An Alarm Occurs

Whenever an alarm occurs, the ALARM indicator will light, the audible alarm will sound (if applicable), and the control will communicate with the central station (if this option was purchased).

NOTE: If upon returning to the premises it is discovered that an alarm has occurred, DO NOT ENTER THE PREMISES. Leave immediately and go to the nearest phone and contact the appropriate authorities.

❑ **To reset the alarm:**

1. Enter your User Code to reset the alarm.
2. The ALARM indicator will remain lighted.

   If the alarm was activated through one of the six "hardwire" zones, the corresponding ZONE indicator(s) will also be lighted, identifying the specific area that was violated. Refer to "System Reference" on page 2 to define the area of protection which corresponds to each zone.
   If no ZONE indicators are lighted, this indicates that the alarm was activated manually through the control station panic zone.

   Press the " * " key to extinguish the ALARM indicator after determining the type of alarm that occurred and area of protection involved.

A history of the alarm condition will be stored in the controls' memory and may be recalled at any time. See "Special Features" for more information.

False Alarms

If for any reason a false alarm occurs, perform the following steps:

1. Enter your User Code.
2. The armed light should turn off.
3. Notify the appropriate authorities of the alarm immediately.
4. Press the " * " key to extinguish the ALARM light. Refer to the "System Reference" on page 2 to determine the area of protection assigned to each zone.

THE EMERGENCY PANIC ALARM

Your system may have been purchased with an emergency panic alarm which is activated manually through the control station by pressing keys "*" and "#" simultaneously. This feature may be used to activate an alarm in the event of a Fire, Hold-up, or other emergency condition, as programmed by your installer. This alarm may be audible or silent. It may also be programmed to report the condition to a central monitoring station. Check with your security representative to determine the characteristics of your system.

Emergency Alarm Activation

To activate the Emergency Alarm:

1. Press keys " 1 " and " 3 " or " * " and " # " simultaneously and hold for three seconds. The Emergency Alarm will activate.

Resetting the Emergency Alarm

When the Emergency Alarm is activated, the ALARM indicator will be lighted (unless your installer has programmed your system for no control station indication). To reset the alarm:

1. Enter your User Code. Pressing the " * " key will extinguish the ALARM indicator, if lighted.

A history of the last alarm will be stored in the controls' memory and may be recalled if desired. (See "Special Features").

SPECIAL FEATURES

Chime Mode Operation

The CHIME mode allows audible monitoring of zones while the system is disarmed. When the CHIME mode is active, the control station sounder will beep whenever a perimeter burglar defined zone (door, window, etc.) indicator is opened.

For example, the CHIME feature will cause the control station to beep two 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 CHIME is useful for monitoring opening of doors by children.

❑ **To Turn CHIME On**

1. The system must be disarmed.
2. Press "6" key and hold for three seconds. The control station will beep three times to signify that the CHIME has been turned on.
3. The control station will now beep two times when any burglar zone is opened.

Note: The CHIME feature does not annunciate interior zones.

❑ **To Turn The CHIME Off**

1. Press "6" key and hold for three seconds. The control station will beep two times to signify that the CHIME has been turned off.

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 (READY light off), the control station will emit a three 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.

Programming

Certain features of your system are programmable through the control station. The programming mode is entered by pressing key 9 and holding for three seconds, then entering the Master User Code. 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.

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.

USER CODES

Your system may be programmed to accept up to five regular *User Codes* and one *Master User Code*. Each code may be comprised of any four digit sequence. Codes may be added, deleted, or changed as necessary.

The Master User Code (code 1) performs all of the User Code functions plus allows access to the programming mode.

User Code 6 may be programmed as a *Temporary User Code* with a limited number of valid uses, after which it becomes inoperable. This code may be assigned to a maintenance person, 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 reveal your regular code.

Changing User Codes

Determine your desired new User Code or Master User Code sequence. If you make an error while programming, press the " * " key five times and start over from step 1.

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

❑ To Change A User Code

1. The system must be disarmed.
2. Press key 9 and hold for three seconds. The control station will beep three times.
3. Enter the Master User Code. The control station will beep two times. The READY and ARMED indicators will blink alternately and the other eight indicators will will blink in sequence with each other when the programming mode is successfully entered (see note ‡ on page C).
4. Press a key (2-6) which corresponds to the User Code you wish to program, or press key 1 to change the Master User Code, then press the " # " key. For example, press 1 then # to change the Master User Code, or 4 then # to program User Code 4, etc. The control station will beep three times to signify acceptance.
5. Enter the desired new 4 digit code sequence. After the fourth 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.

Deleting a Code

1. The system must be disarmed.
2. Press key 9 and hold for three seconds. The control station will beep three times.
3. Enter the Master User Code. The control station will beep two times. The READY and ARMED indicators will blink alternately and the other eight indicators will will blink in sequence with each other when the programming mode is successfully entered (see note ‡).
4. Press keys 1 plus 0 plus # which instructs the control that you wish to delete a code. The control station will beep three times to signify acceptance.
5. Enter the number of the code (1-6) to be deleted.
6. The code is now deleted. The system will automatically exit the programming mode.

Programming A Temporary Code (User Code 6)

An optional feature of your system allows you to assign a certain number of valid uses to User Code 6. After the code has been used the programmed amount of times, it automatically becomes disabled. This code may be assigned to a maintenance person, 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 code. After the uses have expired, the code will cease to function. It 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 key 9 and hold for three seconds. The control station will beep three times.
3. Enter the Master User Code. The control station will beep two times. The READY and ARMED indicators will blink alternately and the other eight indicators will blink in sequence with each other when the programming mode is successfully entered (see note ‡).
4. Press keys 6 plus # to instruct the control that you wish to program the desired code sequence for User Code 6. The control station will beep three times.
5. Enter the desired four digit code sequence. After the fourth 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.
6. Repeat step 2 to re-enter the programming mode.
7. Press keys 7 plus # to instruct the control that you wish to program the number of valid uses for User Code 6. The control station will beep two times.
8. Enter the number of uses desired, 1 - 255, then press the " * " key. The control station will beep two times.
9. Press the " * " key twice to exit the programming mode.

Note: The temporary code may perform all of the functions of your regular User Codes. Only the Master User Code (Code 1) will permit entry into the programming mode of operation.

‡ NOTE REGARDING REMOTE PROGRAMMING:

If the ALARM indicator lights steady after entering the programming mode, your installer has enabled the the Remote Programming option. This feature enables the installing company (or someone assigned by them) to remotely service and control your system.

Notes

Bypassing Zones

The bypass key (#) is used to bypass selected zones in your system. A bypassed zone will **NOT** be capable of activating an alarm as it is temporarily removed from your system. Bypassing (also referred to as shunting) 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. When zones are bypassed, the corresponding ZONE indicators flash to indicate that they have been removed from operation. The flashing will cease 30 seconds after the exit delay expires when the system is armed.

Note: When zones are bypassed, security is compromised.

❑ To Bypass A Zone

1. The system must be disarmed.
2. Press the BYPASS key (#) then enter the number of the zone (1-6) to be bypassed.
3. The corresponding ZONE indicators (1-6) will blink to indicate zones that have been bypassed. The blinking will cease 30 seconds after the system is armed and the exit delay expires.
4. Repeat steps 2 and 3 to bypass other zones.

❑ To Cancel A Zone Bypass

1. The system must be disarmed.
2. Press the BYPASS key (#) followed by the number of the zone (1-6) to be restored to service.
3. The ZONE indicator of the previously bypassed zone will stop blinking.

❑ To Cancel All Zone Bypasses

1. Press the BYPASS key (#) followed by key " 9 ".
2. All ZONE indicators will stop flashing. The zones are returned to operation.

❑ To Bypass All Faulted Zones Simultaneously

1. The system must be disarmed.
2. Press the BYPASS key (#) then press the " 0 " key.
3. All faulted zones will simultaneously be bypassed. The corresponding ZONE indicators (1-6) will blink to indicate zones that have been bypassed. The blinking will cease 30 seconds after the system is armed.

Key Switch Operation

Your system may utilize a conventional key switch for arming and disarming the system. Arming and disarming with a key switch is performed as follows:

❑ Arming

1. Verify that the READY light is on.
2. Insert your key into the lock and turn. Hold for one second and release.
3. The red ARMED light will blink during the exit delay cycle and then light steady when the system arms.

❑ Disarming

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

Access

If your system was purchased with the ACCESS feature, the control station can be used to switch other devices on and off or as a timed switch. This feature is most commonly used to activate an electric door release or switch lights on and off. Consult your security representative for more information.

The Reset Key

The " * " key may be used to:

- ❑ Silence the control station sounder and the audible output during Auxiliary "A" and "C" alarms.
- ❑ Silence the control station sounder during Burglar alarms.
- ❑ Exit the audible test mode.

NOTE: Pressing the " * " key does not reset alarms or cancel reporting to the central station.

Remote Programming

Your system is capable of being serviced remotely from the alarm company's service office providing that the system is set up for *Remote Programming*. The system provides a means of verifying that this feature is enabled. See your security representative for more information.

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. Refer to "System Reference" on page 2 to determine the Area of Protection which corresponds to each zone.
3. To simplify testing, all zones should first be secured (READY light ON). If it is not possible to secure all zones prior to beginning the walk test mode, please note that the control station will beep continuously as a result of the non-secure zones. This will eliminate the advantages of the audible walk test mode, although the zone indicator lights may still be relied upon for testing.
4. Press key 8 and hold for three seconds. The control station will beep three times to signify entry into the TEST mode.
5. Violate a detection zone (open a door, window, etc.). The control station will beep continuously and the indicator of the corresponding zone will light.
6. Secure the zone (close the door, window, etc.). The control station beeping will cease.
7. The interior detection devices will also cause the control station to beep if entering those protected areas when testing unless the INTERIOR is first turned OFF. You may also want to walk test motion detection devices to check whether the pattern is covering the areas of concern.
8. Begin at step five to test the remaining sensors.
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.

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. 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 ALARM indicator will be lighted. The ZONE indicator(s) corresponding to the violated Fire Zone(s) will also be lighted. If the alarm was activated manually through the control station emergency panic zone, no ZONE indicators will be lighted.
2. Press the " * " key to silence the control station and the audible alarm.
3. **Notify the alarm monitoring service or the proper authorities immediately if the alarm was unintentional.**
4. The red ALARM light will remain on.
5. To clear the alarm, enter a valid User Code.
6. If the TROUBLE indicator lights, a *Fire Supervisory/Trouble* condition may exist. Consult your Security Representative to define the trouble condition .

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 yellow TROUBLE indicator will be lighted.

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 for service.
2. Press Key 7 and hold for three seconds. The system will attempt to reset the smoke detectors. If the smoke detector(s) did not reset, the control station will continue to indicate the TROUBLE condition. Call your security representative for service.

Emergency Evacuation Plan

Preparation and education are of prime importance in the prevention of fire. An emergency evacuation plan should be established BEFORE an emergency situation arises. Your system may or may not contain fire detection and notification equipment. Be sure to have your installer explain and that you fully understand exactly what your system consists of. Use the following steps in establishing an emergency evacuation plan:

1. Evaluate all possible escape routes from your home and draw a floor plan.
2. Select two exit escape routes from each room.
3. Provide rope ladders for rooms above the first floor. Check the ladders to be sure that they 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 in an emergency situation.
6. Establish a meeting place outside where your family is to report.
7. Advise the local fire authority if you have installed a fire alarm system.

❑ **Discuss the following with all residents:**

1. Familiarity with alarm signals.
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 techniques during a fire.
5. Escape FAST, DO NOT STOP for packing.
6. Emphasize that no one is to return to a burning building.

Glossary

Alarm Memory: A history of the alarm that last occurred.

Arm: To turn the intrusion detection system on.

Bypass: To temporarily remove a zone from operation. To Shunt a zone.

Control Panel: The main system electronics housed in a metal enclosure.

Control Station: The remote station where the user interacts with the control panel.

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 the armed premises through a delay defined zone.

Faulted: A detection area which is not secure.

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

Hardwire Zones: The six areas of protection referred to as Zone 1 ....6 on the control station.

Indicator Lights: The ten lights on the control station.

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.

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 User Code (Master User Authorization Code): A code which functions identically to the User Codes, plus may be used to enter the programming mode.

Perimeter: The first line of defense. Consists of one or more zones which detect intrusion through doors and windows.

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

Ready: The system is ready to be armed.

Remote Programming: The ability to service the system from a remote location (specified by your security representative) with the aid of a personal 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: See "Bypass."

Supervisory/Trouble: A faulted condition (such as a shorted or broken wire) of a FIRE or other 24 hour zone. For special applications, intrusion detection zones may also be programmed for supervisory/trouble alert.

Twenty Four (24) Hour Zone: A zone that is permanently active 24 hours a day such as a FIRE or EMERGENCY zone.

User Code (User Authorization Code): A code which is used to arm and disarm the system.

Zone: The six areas of protection represented by Zone indicators 1-6. The description of each area may be found in the "System Reference Guide."

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