

REGENCY

Model 4720 Residential Security System



Homeowner's Manual

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Section 1.

Introduction

Congratulations! You have just purchased a Regency 4000 Series Residential Security System; designed with state-of-the-art microprocessor technology to protect your home, family, or business. Although sophisticated, you will find it exceptionally flexible and easy to use.

The electronic heart of your security system is the Model 4720 Control Communication panel. It has a stand-by back-up battery to prevent system shutdown during power failures. Typically, you will not have to open the control panel cabinet once it is installed.

Your security system can monitor up to 80 separate zones, using different types of sensors (door contact switches, motion and smoke detectors, and so on). These sensing devices provide 24-hour electronic surveillance detection and reporting for:

- Attempted burglary or intrusion
- Fire and smoke detection

Note: Notify your local fire department that you have installed a residential fire system on your property.

- Alarms activated from the touchpad
- Auxiliary conditions (furnace or freezer failures, for example)

Touchpads are normally installed in the master bedroom and main entries for everyday system control. Programmable in thousands of different combinations, they allow you to quickly and conveniently arm and disarm system functions and zones, providing an extremely high degree of tamper-proof security.

It is vital that you read this guide thoroughly and familiarize yourself with system operations for optimum system performance and the prevention of false alarms. Talk to your system installers if you have any questions about which features are included in your system. They will answer any questions you may have and help you fill out the system data pages in the back of this guide. It is recommended that you keep this manual in a secure place for future reference.



The 4720 Residential Security System is UL listed for household fire and burglary use. See the 4720 specification sheet (P/N 150270) or ask your dealer for more information.

Section 2.

System Overview

Monitoring Capabilities

Your Model 4720 security system is active 24 hours a day, monitoring for fire, auxiliary conditions (depending on your needs), and touchpad activated alarms. The intrusion (burglary) portion of the system must be turned on and off (armed and disarmed) as occupants come and go.

Intrusion

It is important that your intrusion system be on at all times when your home is not occupied and when occupants are sleeping. The Model 4720 system can be armed or disarmed with the appropriate code from any of the system touchpads.

One or more of your doors have been "sensored" to allow entrance and exit alarm delays. This is done to give you an adjustable, pre-programmed amount of time to leave after arming the system, without setting off an alarm (it is usually 20 to 45 seconds, but check with your installing company for the exit delay time programmed for you). An optional warning beep can sound to count down the time you have for your exit.

If you have chosen to divide your home into a perimeter circuit (all possible outside entries, doors, and windows), and an interior circuit (interior rooms), you can operate security for them separately. An armed perimeter circuit provides intrusion protection while at the same time disarmed interior rooms allow free movement inside the house. The interior section can be armed and disarmed separately using the **INT** button (see page 8).

Fire

If your alarm specialist installed smoke detectors or heat sensors, you have 24-hour fire protection. This optional fire protection is always active, even when your intrusion system is disarmed. If your system senses a fire, the touchpad will sound a local alarm and the main panel will send a fire alarm signal to your security installer's monitoring station.

Tamper Alarm

Certain components of your security system can be protected against attempts to disable them and prevent the system from operating properly. Items such as outside bell or siren enclosures, the control cabinet, and telephone equipment are subject to unauthorized access and tampering. Your system can be designed to monitor and report these conditions to the central station.

Auxiliary Alarm

Your system can be designed to monitor one or more conditions that are not directly related to security, but do require a prompt response to prevent some other problem or physical damage from occurring. Typical auxiliary alarms could indicated conditions such as furnace, freezer, or equipment failures, water level, and so on. Although none of these conditions is a security concern, early detection and appropriate action could save money or property. Ask your security company representative for specifics in your particular operation.

Gas Alarm

Your system can be designed to monitor for leakage of liquefied propane (L.P.) or natural gas.

Panic Alarm

A panic alarm is a user-activated alarm such as a touchpad panic button or personal wireless panic transmitter. A panic alarm condition would indicate that you are at home and manually signaling a break in attempt or other panic situation.

Access Codes

Note: This product is not listed for UL 294 access control systems.

An access code is a confidential number, 3 to 6 digits in length. You enter this code into the system touchpads to program, arm and disarm, and command all functions of the system.

Note: When selecting access codes for your system, do not use numbers such as 1111, 2222, and so forth. While they are easy codes for you to remember, they may also be easy codes to break.

Installer's Code (Code 0)

Your installation company uses this special code to install and initially program your system. It can also be used to arm and disarm your system, both from the touchpads and from the central station (by telephone lines).

If you do not want the installation company to have access to your system once it has been installed, ask the installer for the installation code and instructions for changing it. Once you have changed the code, only you can arm and disarm the system. If it becomes necessary to change the programming of your system, you will have to give the installation company the new code. Talk to your installer about the installation code. There are many reasons why you might want your installation company to be able to access your system at any time.

Main User's Code (Code 1)

Warning

Without this number, it is virtually impossible for anyone to re-program or reset your security system.

Code 1 (sometimes known as the master code) enables you to change other code numbers, as well as the day and time shown on your touchpad liquid crystal display (LCD) and optional printer. This main user code number should be written down and stored for periodic use in a safe, secure place (see page 29).

Primary Access Codes (Codes 1-9)

Up to 9 primary access codes can be provided by your security system.

These primary codes are the basic keys to your security system. They can be programmed to allow the user to arm and disarm the system, and operate all basic touchpad control functions.

Secondary Access Codes (Codes 10-99)

Up to 90 codes can be assigned to people for temporary house and grounds access when you are away (maids, baby-sitters, and so on). Under normal conditions, users with secondary codes can only arm the system. Their codes will not disarm the system.

When you enable the Code 2 function (see page 15) while arming the system before you leave your home, your secondary users can temporarily disarm the system as well. This privilege will last until the next time you

disarm the system with your primary access code, then it reverts automatically to normal arm-only conditions.

Caution

Under regular programming, all 90 secondary codes are granted disarm capability when you enable Code 2. However, if you need special secondary code parameters, your installer can reprogram them for you.

Work with your security company representative. He or she will help you to program Code 2 parameters as well as all the code numbers you need initially for each code type (you can change them later as required).

Touchpad Descriptions

This section describes the touchpads that can be used with the 4720.

Touchpads that are not UL listed (Models 4533, 4553, and 4563) can be used with the 4720, but may have slightly different buttons or indicator lights.

Model 4660R

The 4660R touchpad (Figure 1) is used to program on/off combinations and operate most functions of your security system.

In conjunction with optional, Models 4140 and 4640, the 4660R allows for intercom and telephone communication.

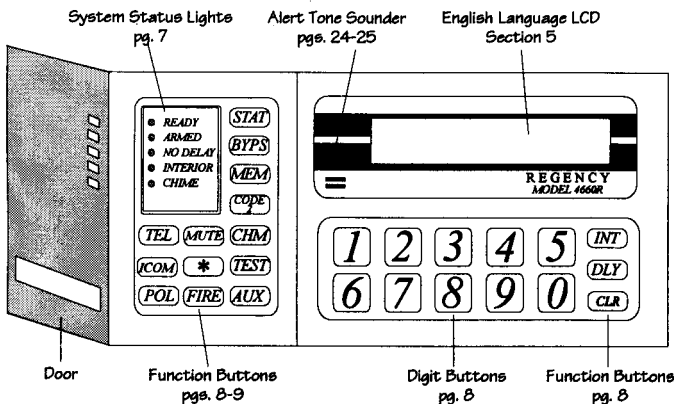


Figure 1. Model 4660R LCD Touchpad

Model 4533, 4553, and 4563 Touchpads (not UL listed)

The **INSTANT** button and indicator light on these models function the same as the **DLY** button and the NO DELAY indicator light on the 4660R. The **CHM/INT** button combines the functions of the **CHM** and **INT** buttons. Press **CHM/INT** to perform either function.

System Status Lights

The lights on the top left of the 4660R touchpad provide information about your system, including features that have been enabled or disabled. The table below describes the LED (light-emitting diodes).

	On	Off
● READY	<p>The system is disarmed and all enabled zones are ready to be armed.</p> <p>(Zones that are disabled have either been bypassed, or they are interior zones that have been turned off.)</p>	<p><u>System Disarmed.</u> Indicates zones in a Not Ready condition (a sensed door or window may be open). Press [STAT] to view Not Ready zones.</p> <p><u>System Armed.</u> The system is in normal operating condition.</p> <p><u>Flashing.</u> The system is reporting to the central station.</p>
● ARMED	The system is armed.	The system is disarmed.
● NO DELAY	If you enter or leave when the system is armed, an alarm is immediately generated.	After arming, you have a programmed amount of time to leave via a delayed door without setting off the alarm. If you enter an entry-delayed zone when the system is armed, you have a programmed amount of time to disarm the system without setting off an alarm. If you do not complete these actions within the programmed time period, the system will generate an alarm.
● INTERIOR	All zones will be armed when the ARMED light is ON.	Interior zones are disabled. When the system is armed, it protects the building against entry from the outside, but people can move around inside without setting off an alarm.
● CHIME	The Chime feature is enabled. When the panel is disarmed and someone enters the protected area via a chime zone, a chime tone will sound.	The Chime feature is disabled. NO chime tone will sound when someone enters a protected area.

*Note: The CHIME and INTERIOR LEDs are both turned on and off with either the **[CHM]** or **[INT]** buttons.*

Touchpad Buttons











Buttons always visible on the touchpad are for frequently used functions such as arming, disarming, and controlling interior and delayed zones.

The buttons hidden by the door on the left side of the touchpad allow for more specialized system control such as zone bypassing, system testing, and programming. Some of these functions can be performed only by the installer.

Button	Description
INT	Controls whether or not zones programmed as interior will respond to alarms when the system is armed. Press this button to turn on the INTERIOR and CHIME LEDs. Press it again to turn them off.
DLY	For zones that have been programmed with an entry or exit delay, pressing this button controls whether these zones will be delayed or instant. Delayed zones allow a user to exit after arming, or to disarm after entering, without generating an alarm. Instant zones cause an immediate alarm when the zone is violated. When the NO DELAY LED is on and the system is armed, zones programmed for entry and exit delay are instant.
CLR	If you make a mistake while entering a code or command, press this button and start over.
1 2 3 4 5 6 7 8 9 0	Used to enter numerical information, such as access codes.
STAT	Used to display zones that are not ready or in trouble, and to display system trouble conditions.
BYPS	Used to bypass (deactivate) individual zones (sensors) from system monitoring or control. It also allows you to check which zones have been bypassed.
MEM	When the system is disarmed, pressing this button will display any zones that were in an alarm condition since the last time the system was armed.

Touchpad buttons continued on next page.

Touchpad buttons continued.

Button	Description
	Allows secondary (temporary) access codes to be used (for guests, baby-sitters, cleaning help, and so on).
	Controls the telephone functions. It will not function unless the Model 4140 intercom system and the Model 4640 audio module is used. See page 16 for more information.
 (press twice)	Silences the audible trouble signal. Pressing this button will also exit any of the special test modes and return the system to normal operation.
	Controls whether or not a chime tone will be generated when someone passes through a chime zone while the system is disarmed.
	Controls the intercom functions. It will not function unless the Model 4140 intercom system and the Model 4640 audio module is used. See page 15 for more information.
	Not functional.
	Used to enter a variety of test modes.
	When pressed and held for one full second, this button generates an immediate alarm to the central monitoring station, indicating that the police should be dispatched. This is typically an audible alarm (see page 24).
	When pressed and held for one full second, this button generates an immediate alarm to the central station, indicating that the fire department should be dispatched.
	When pressed and held for one full second, this button generates an immediate alarm to the central monitoring station, for non-medical emergency situations (typically silent alarm).

Section 3.

Using Your Model 4720 Security System

The following is an operating guide for each of your Model 4720 security system functions or capabilities. Go over each with your alarm company representative if you have any questions, and practice them until you feel comfortable with the day-to-day operation of each function.

Arming Your System

In most cases, you will want to fully arm the intrusion protection of your security system when leaving your home. To arm both the interior and perimeter areas, use the following instructions:

1. Press the **[INT]** button. The INTERIOR light will come on.
2. Make sure the green READY light is on, and the ARMED light is off.
3. Enter your access code (3 to 6 digits) on the touchpad.

Note: You have a 3-second timeframe to enter each digit of your access code. If you pause for 3 seconds, you will hear a short beep and the touchpad display will tell you to TRY AGAIN.

*If make a mistake entering your code, you can also press the **[CLR]** button and start over again.*

When you finish, the green READY light will go off, the red ARMED light will come on, and your system will be armed.

The LCD will show the seconds remaining until the exit time expires. (You and your alarm company will have determined the exact number of seconds necessary.) The touchpad may give you an exit warning tone with beeps to count down your exit time (optional). You must be out of the building with the door shut before the time runs out or an alarm will sound.

If the touchpad shows a TROUBLE condition when you attempt to arm the system, immediately contact your central station for servicing. DO NOT attempt to arm the system until the TROUBLE condition is cleared as your system will not be fully operational.

Arming the Perimeter Only

For intrusion alert when you remain at home, you can disarm the interior to allow free movement inside your house. However, the outside doors and windows remain armed.

1. Make sure the INTERIOR light is off (if it is on, press **[INT]**).
2. Enter your access code. The LCD will read ARMED PERIMETER.

For Instant Alarms

Before you go to bed at night, you can set the system from your bedroom touchpad to alert you to an intrusion anywhere inside your home. No timed entry or exit delays will be granted for anyone entering the house, and no movement will be allowed inside the house.

1. Press the **[INT]** button.
2. Press the **[DLY]** button.
3. Enter your access code.

The NO DELAY and INTERIOR lights will come on and the LCD will read ARMED COMPLETE and ARMED INSTANT.

To turn the instant alarm condition off when you get up in the morning, simply press the **[DLY]** and **[INT]** buttons again. Your system will only be armed on the perimeter, assuming the Interior Lock While Armed option was not selected during programming.

Disarming Your System

When you return home and open your door, an entrance warning tone will sound and you will have a programmed amount of time to enter and disarm the system. The LCD will show the number of seconds until the system goes into alarm if not disarmed.

The warning tone will stop as you enter the first digit of your access code allowing you to clearly hear the beeps as you finish entering your access code to disarm the system.

To disarm, simply enter your access code (3 to 6 digits) on the touchpad. The ARMED light will go off, and the READY light will go back on.

If you do not want the chime zones to sound, press **[CHM]** or **[INT]** to turn off the CHIME and INTERIOR LEDs, if needed.

Resolving Not Ready Conditions

If the LCD reads NOT READY and the touchpad READY light is off, there is a Not Ready condition. This typically means that one or more of your home's zones is not prepared for system arming (for example, a door is ajar or a window is left open). Before you can arm the system, you must identify and correct the Not Ready condition.

To do this, press the **[STAT]** button and the LCD will display the zone number and location of the open sensor (for example, 3 BACK DOOR). Close the door involved and the unit will automatically indicate a ready status (READY light is on). If the zone cannot be made ready by closing the door or window, you must bypass it before you can arm the system (see page 13).

If the display reads TROUBLE or SILENCED, press the **[STAT]** button and the display will list the trouble conditions (see page 26).

Viewing Alarms and Alarm Memory

When an alarm occurs, the touchpad will display ALARM on the first line of the LCD. Press **[MEM]** to view the location of the alarm.

Viewing Trouble and Supervisory Conditions

When a system trouble condition (mechanical failure) occurs, the touchpad will beep and display TROUBLE on the first line of the LCD. Press **[STAT]** to view the location of the trouble.

If your system has been programmed for sprinkler supervisory, a supervisory condition will also cause the touchpad to beep and display SUPERVISORY on the first line of the LCD. Press **[STAT]** to view the location of the trouble. (Sprinkler supervisory is most often used in commercial installations.)

Viewing Alarm Memory

The alarm memory function records alarm information. Events remain in memory for a single arming period. Press **[MEM]** to display the zone number and location of any alarms that have occurred since the last time the system was armed. The next time you arm the system, memory from the previous arming period will automatically be erased.

Silencing Trouble Sounds

To silence a trouble condition alert tone, press **[MUTE]** **[MUTE]**.

The LCD will display SILENCED instead of TROUBLE. If a new condition occurs, the TROUBLE display and alert tone will be reactivated.

Resetting an Alarm

To reset your system after an alarm and silence any sirens, simply enter your access code.

Bypassing Zones

You may need to bypass certain zones at certain times. Remember that while a zone is bypassed, there is no protection on that zone. Do not give the code that allows for bypassing to casual users of the system such as cleaning persons or baby-sitters.

The **[BYPS]** button is used to disable individual intrusion zones. You cannot bypass 24-hour fire and panic zones.

When the System is Disarmed

1. Enter the number of the zone you wish to bypass.
2. Press **[BYPS]**.
3. Enter your access code, if required. The LCD will read BYPASSED.

If the LCD reads RESTRICTED, and you hear a warning tone, you have attempted to bypass a fire or panic zone that cannot be bypassed.

To find out what zones are bypassed, simply press **[BYPS]**. The LCD will show the number and location of the bypassed zones.

When the System is Armed

The procedure to bypass or reinstate a zone is the same as when the system is disarm, except that the LCD will always read ENTER CODE.

After bypassing a zone, the display will not read BYPASSED, so that not one else will know that part of the system has been disabled.

Reinstating a Bypassed Zone

When the system is disarmed:

1. Enter the number of the zone you wish to reinstate.
2. Press **[BYPS]**.
3. Enter your access code, if required.

The zone is now reinstated. Repeat steps for all zones that you want to reinstate.

Note: If the zone is in a Not Ready condition, the display will read RESTRICTED ZONE, and you will not be able to reinstate it (doing so would cause an alarm).

Activating Chime Sounds

When the system is disarmed, you can turn the chime function on and off by pressing **[CHM]** or **[INT]**.

The chime function will cause a chime sound whenever any chime zone sensor is activated while the system is disarmed.

Sending Silent Duress (Hold Up) Alarms

If forced to disarm the system under duress, for example, during an armed robbery, you can still trigger an alarm report.

By pressing a predetermined 1-2 digit duress code (record on page 29) before entering your access code, you can silently transmit a duress alarm to the alarm central station.

The system lights and alarms will not indicate that a silent duress alarm is being sent.

Fire and Panic Alarms

Pressing the **[POL]**, **[FIRE]**, and **[AUX]** buttons for one full second will generate immediate alarms to the central station.

To reset the system after a fire or panic situation and stop the alarm tone from sounding, simply enter your access code.

Code 2 (Secondary Access)

Under normal operating conditions, anyone to whom you assigned a secondary access code can only arm, not disarm your security system. However, when you enable the Code 2 feature, an authorized person (housekeeper, baby-sitter, gardener) can both arm and disarm.

Press **[CODE 2]** + access code to arm the system and allow secondary codes to disarm. The Code 2 function will automatically stop when the system is disarmed using your primary access code (without pressing **[CODE 2]**).

Intercom Operation (Optional)

Your touchpad can function as an intercom, or as a "hands-free" telephone, if the Model 4640 Audio Module and Model 4140 Telephone Intercom Controller is included in your system.

Note: The intercom feature has not been investigated by UL.

The intercom feature provides the following options:

Two-way Communications on All Intercoms (Paging)

To make all system intercoms become active at once, press **[ICOM]**.

To turn off, press **[ICOM]**.

Two-way Communications on One Intercom

1. Press the number of the intercom station you wish to call.
2. Press **[ICOM]**.

Listen-only Communications With All Intercoms

1. Press the **[1]** key.
2. Press the **[0]** key.
3. Press **[ICOM]**.

To turn off, press **[ICOM]**.

Listen-only Communications With One Intercom

1. Press the number of the intercom station you wish to listen to twice.
2. Press **[ICOM]**.

You can now hear activity in that touchpad intercom area, but they cannot hear you.

To turn off, press **[ICOM]**.

Preprogrammed Time-out

The time-out option allows you to automatically limit touchpad intercom or telephone usage to anywhere between 15 and 255 seconds. The touchpad intercom (or telephone) will automatically hang-up after the programmed time has elapsed. As a warning, the system will emit a warning beep 10 seconds before hanging up the intercom.

Telephone Operation (Optional)

The telephone feature provides the following options:

Basic Telephone Operation

To:	Steps
Answer the phone	Press [TEL] .
Place a phone call	<ol style="list-style-type: none">1. Press [TEL].2. Enter digits of the phone number you wish to call (up to 12 digits).
Hang up	Press [TEL] .
Mute your conversation (place on hold)	Press [MUTE] .
<i>The touchpad will beep while the Mute function is activated.</i>	
Activate 2-way communication (remove hold):	Press [MUTE] .
Transfer a call to another touchpad	<ol style="list-style-type: none">1. Answer an incoming call by pressing [TEL].2. Put caller on hold by pressing [MUTE].

To:	Steps
	<p><i>A short beep will be heard every 2 seconds until the [MUTE] button is pressed again.</i></p> <ol style="list-style-type: none"> 3. Press the number of the touchpad to which you want to transfer the call. 4. Press [ICOM] and announce the call transfer to the person at the second touchpad. 5. To complete the call transfer, the person at the second touchpad should press [TEL].

Automatic Redialing

1. To redial the last phone number called, press [9].
2. Press [TEL].

Preprogrammed Time-out

The time period is the same as the intercom time-out (see page 16).

Memory Dialing

To:	Steps
<p>Store a phone number in memory</p>	<ol style="list-style-type: none"> 1. Press [TEL]. 2. Press digits of the phone number you wish to store. 3. Press [MEM]. 4. Press either digit 1 or 2 (for memory location 1 or 2). <p><i>The phone number is now in memory and a call has been placed to the phone number.</i></p> <ol style="list-style-type: none"> 5. Press [TEL] to terminate the call.

To:	Steps
Dial a memory phone number	<ol style="list-style-type: none">1. Press digit 1 or 2 (for memory location 1 or 2).2. Press [TEL].
Clear a phone number from memory	<ol style="list-style-type: none">1. Press [TEL].2. Press [MEM].3. Press the digits of the phone number you wish to store.4. Press either digit 1 or 2 (for memory location 1 or 2).5. Press [TEL].

Programming Your 4720 Security System

Your security dealer or installer will complete all initial programming for you. However, as time goes on, you will undoubtedly want to make changes.

Most program changes will be handled by your installer, but resetting time and date displays and changing access codes are two functions you can do yourself from the touchpad.

One important thing to remember is that your system is disabled when you are in programming mode. You will not be protected until you exit programming mode.

Resetting the Time

1. Press **[9]**.
2. Press **[TEST]**.
3. Enter your main access code. The display will now read TIME?.

4. Enter a 6-digit time setting. The first digit is for the day of the week. Choose the number of the day from the list below:

1 - Monday	2 - Tuesday	3 - Wednesday	
4 - Thursday	5 - Friday	6 - Saturday	7 - Sunday

The second digit is 0=AM or 1=PM

Enter the last four digits as the actual time in hours and minutes.

Upon pressing the sixth digit, the touchpad will return to its normal operation with the correct time in place.

Example: To reset the time for Tuesday 3:15 PM you would enter the following:

Hour
Minutes
Day of
Indicates
week
PM

9
TEST
(access code)
2
1
0
3
1
5

Remember to include a leading zero before 1-digit numbers when entering the time portion.

Resetting the Date

If your system includes an on-site printer, the display will prompt you to set the date after setting the time.

When the display reads DATE?, enter a 6-digit date in MMDDYY format. Upon pressing the sixth digit, the touchpad will return to its normal operation.

Example: To reset the date for March 25, 1995, you would enter the following:

Day

0
3
2
5
9
5

Month
Year

Always remember to enter leading zeros for 1-digit months and days (03=March).

Reprogramming Access Codes

You can only reprogram access codes by using touchpads with English language LCD displays.

Access codes that will be used in conjunction with the Code 2 feature, must be programmed in code locations 10-99.

Displaying Codes

1. Press **[7]**.
2. Press **[TEST]**.
3. Enter your main access code. The display will read CODE 1:.
4. To display the access code number you entered (for example, CODE 1: 5432), press **[TEST]**.
5. To skip to the next code in the sequence, press **[TEST]**.
6. To skip over more than one code, press **[CHM]**, enter the number of the code you wish to change (not the code itself), and then press **[TEST]**.

Changing Your Access Code

Access codes are 3 to 6 digits in length. You must be sure that codes do not conflict. For example, assigning a code as 543 would prevent another code previously assigned as 5432 from working.

After entering a new access code, always remember to press the **[TEST]** button. You can record new access code numbers on pages 31-33.

Note: When changing codes, make sure that no code starts with the duress trigger digits (see page 14).

1. Display the code you wish to change (Steps 1-6 in Displaying Codes).
2. To change the access code displayed, press **[CLR]**.
3. Enter the new access code you have assigned (3 to 6 digits).
4. Store the new code in memory by pressing **[TEST]**.

The display will then show the next access code in sequence. Repeat Steps 1-3 for each additional code you wish to change.

Deleting Codes

Note: Do NOT delete your main access code.

1. Display the code you wish to delete (Steps 1-6 in Displaying Codes).
2. Press **[CLR]** to clear a code from memory without assigning a new code.
3. Press **[TEST]**.

Exiting Programming Mode

To return to normal operation, press **[MUTE]** **[MUTE]**.

Testing Your 4720 Security System

Important

Weekly tests are recommended to insure proper system operation.

Discuss testing with your security company installer to develop the optimum schedule and procedures that will be right for you.

Testing is required for UL Fire (NFPA 72, Chapter 2) and is described below. This test must be performed with AC power disconnected. The purpose of this procedure is to ensure that battery malfunctions will be discovered during the test.

Disconnect the AC power transformer by unscrewing the mounting screws which hold the cover in place. Thereafter, AC power is disconnected from the unit by removing the transformer from the wall receptacle.

Once the test has been completed, reconnect AC power by plugging the transformer into its receptacle. Then replace the transformer cover and mounting screws.

*Note: While the system transformer is unplugged, the LCD display may read TROUBLE - AC. Press **[MUTE]** **[MUTE]** to silence.*

To test overall system operation:

1. Call and warn your security company's central station that you plan to run a system test.
2. Be sure the system is disarmed.
3. Press the **[TEST]** button and enter your access code.

If all systems are operating properly, the touchpad will reset momentarily, your alarm will sound for a few seconds, and a dialer test will be transmitted to the central station. There are a variety of central station response procedures. Your security company will inform you as to what response you should expect from a test.

Note: The system test will not test the sensors and detection devices that activate alarms. Be sure to test smoke and other fire detectors regularly, following the procedures provided by the detector manufacturers. Regular tests ensure they are operating properly.

Section 4.

In Case of Trouble

AC Power Failures

During brief power outages in your building, your security system will function normally using the rechargeable battery installed in the master control panel.

When your power returns, these batteries will automatically recharge.

In Case of Accidental Activation

In the event that your security system is activated accidentally, do not panic. It is important to cancel the alarm as soon as possible by entering your access code on the nearest touchpad.

If your system is programmed for delayed reporting and you disarm your system before reporting begins, an alarm will not be transmitted to the central station. Consult your security company if you are using this feature.

What Happens When an Alarm Occurs?

Important

If you return home and find an alarm message on the LCD, LEAVE IMMEDIATELY and call your central station or the police.

If your security system goes into alarm condition, three things will happen:

1. A loud audible warning will be heard from all system speakers. The sound will vary depending on the type of alarm. See Audible Alarm descriptions on page 24.
2. The touchpad LCD display will indicate that an alarm has occurred. Press **MEM** to see the type of alarm (Fire, Panic, Intrusion, Auxiliary), its zone number, and the location of the alarm.
3. Your security dealer's central monitoring station will be automatically dialed, reporting the nature and location of the alarm. They, in turn, will dispatch the proper authorities to your home.

When an alarm occurs in zone programmed for silent alarm, the audible warning and displayed message (#1 and #2) will NOT occur, but the alarm condition will still be reported to the central station (#3).

When an alarm or trouble condition occurs, the touchpad displays ALARM, TROUBLE, or in some cases, SUPERVISORY on the first line of the LCD. It also tells you to press a key to see the location of the alarm or trouble condition. In the case of an alarm, press the **[MEM]** key. In the case of a trouble or supervisory, press **[STAT]**.

Audible Alarms

The alarms below are ranked in priority order.

Type	Sound	Description
Fire Alarm	High volume, high pitch pulsing tone	This alarm has precedence over all other alarms. For example, if an intrusion alarm has been sounded, and subsequently a fire condition is detected, the fire alarm will take priority over the intrusion alarm.
Panic Alarm	Slowly alternating high/low pitch steady tone	Triggered manually whenever anyone presses one of the panic keys ([POL] , [FIRE] , or [AUX] on the touchpad).
Intrusion Alarm	Rapidly alternating high/low pitch steady tone	An intrusion (or burglary) alarm causes this alarm to sound and sends a report to the central station.
Auxiliary Alarm	Alternating high/low pitch rapidly pulsing tone.	An auxiliary alarm has the lowest priority if other alarms such as fire, panic, or intrusion are sounding simultaneously.
<i>See page 2 for more information on alarms.</i>		
Trouble Condition	A low volume, high pitch tone that sounds for one second every few seconds.	Alerts users to system trouble conditions. (Can be silenced by pressing [MUTE] [MUTE] .)
Entry Warning	A low volume tone that sounds each second during the entry delay.	The touchpad LCD display counts down the number of seconds left to disarm the system and avoid an alarm.
Door Chime	A low volume, high-to-low pitch tone similar to a doorbell. sounds once each time a perimeter sensor is opened or closed.	

Household Evacuation Plan

It is vital for every household or business to develop and rehearse an evacuation plan in case of fire.

Fire is the third major cause of accidental death. In two minutes from its start, a fire can be deadly. It is important that you draw up and regularly practice a fire evacuation plan to insure rapid escapes.

- Draw up a floor plan of your home, clearly showing at least two exits from each room. Since most fire deaths in a home occur while a family is sleeping, pay particular attention to bedrooms. Make sure that each family member knows the location of the exit nearest his or her bedroom.
- Make sure family members are familiar with and can quickly recognize your system's audible alarm signals. (See page 24.)
- Instruct family members to feel closed doors **BEFORE** opening them. If a door is warm, **DO NOT OPEN IT**. Use an alternate route, such as through a bedroom window.
- Thick smoke usually accompanies a fire. When moving through smoke, stay as close to the ground as possible, crawling if necessary. It is a good idea to keep a flashlight in a designated place in each room for emergencies.
- Make sure all family members realize that personal belongings can be replaced, but people cannot. Warn them to get out of the building as soon as a fire is detected. Do **NOT** stop to pack or look for belongings for any reason. **Under no condition should anyone return after escaping from a burning building.**
- A good evacuation plan should specify a certain meeting place outside of the building so that all family members can be accounted for and given medical treatment if necessary.
- Once all family members have safely evacuated the building, call the fire department immediately from a nearby phone. Do **NOT** stop inside a burning building to call the fire department.
- Once the fire evacuation plan has been drawn up and you have discussed it with your family, you should review and practice it periodically to make sure everyone knows exactly what to do if a fire occurs.

Section 5.

System Messages

Trouble Messages

Your security system is designed to provide you with many years of reliable trouble-free protection, but unforeseen problems can occur. For many problems with a component or zone in your Model 4720 system, a low volume, high-pitched tone will sound for one second every few seconds.

Press **MUTE** **MUTE** to silence the trouble alert tone. The 4660R touchpad LCD will also read TROUBLE. To view the trouble condition, press the **STAT** button. The LCD will show one of the following messages and the zone number or system accessory in which it is located:

1-80 LOCATION	Indicates location of a zone (1-80) with a problem.
AC	System has lost AC power.
BATTERY	Low battery condition in the control panel or the battery is disconnected.
DATA LOST FAILED	Communication failed and an event was not reported to the central station (because of a bad phone line, for example).
DEVICE 0	Problem with the 4720 control panel communicator.
DEVICE 1	Problem with the (optional) printer interface.
DEVICE 2	Zone expander problem.
DEVICE 3	
DEVICE 4	Problem with the intercom or telephone module.
DEVICE 5	Problem with the auxiliary control module.
DEVICE 7	Problem with the EEPROM memory.
LINE 1	Phone line #1 is faulty or needs service.
LINE 2	Phone line #2 is faulty (if your system uses 2 phone lines).
PAPER	Onsite printer needs a replacement roll of paper.
TOUCHPAD 1-15	Problem with a particular touchpad unit.

Contact your installation company immediately for repairs whenever any of these conditions are indicated.

Error Messages

If operation or programming errors occur, the LCD will display the following messages to explain the problem:

RESTRICTED CODE	Either the code entered cannot be used at this touchpad or it cannot be used to operate a particular function.
RESTRICTED ZONE	Zone cannot be bypassed (fire or other 24-hour zones cannot be bypassed) or turned off.
TRY AGAIN	An invalid code or command was used. You may have pressed the wrong digit or paused too long while entering a code. Restart from the beginning.

LCD Displays

The English language LCD will normally display the day and time, plus status and instructions for many status lights and touchpad functions. The LCD will also display the following messages (in addition to trouble and error messages):

#SEC TO ALARM	Visual countdown of seconds before an alarm will be sounded and a message is sent to the central monitoring station. (After opening and entering a delayed door, a warning will sound.)
#SEC TO EXIT	(Displays after arming.) Your security system can be programmed for a timed exit delay. The beeper will sound (warning sound is optional) until the delay time is up and the LCD will display the countdown to exit time.
ARMED	The system is armed.
AUXILIARY ALARM	A problem with or failure of special sensors installed to protect appliances such as furnaces and freezers.
BYPASSED	One or more of the zones have been bypassed (turned off so they do not respond to alarm conditions). <i>This message will not be displayed if the system is armed.</i>
CODE 2	Secondary (temporary) access codes can be used.
FIRE ALARM	Flashes - One or more zones programmed for fire monitoring are in alarm.
INTRUSION ALARM	Flashes - One or more zones programmed for intrusion monitoring are in alarm.

NOT READY	One or more zones are in a Not Ready condition (a sensed door or window may be open).
PANIC ALARM	A user has activated an alarm to summon the police.
READY	The system is disarmed and all zones are ready to be armed.
SERVICE	The 4720 control panel requires service. The system will not function at this time and you must contact the installation company immediately for repairs.
SILENCED	A trouble condition alarm has been silenced, but the trouble still exists in the system.
TAMPER ALARM	An attempt was made to disable the alarm system.
TROUBLE	Trouble condition exists in the system (a broken wire, low battery, loss of system power, and so on). You can press STAT to find out the source of trouble.

System Data

Keep the following information CONFIDENTIAL and stored in a safe place.

System installation company: _____

Name of installer: _____

For service, call: _____ or _____

Before testing, call: _____ or _____

Your account # is: _____

Your central station password is: _____

Number of seconds programmed for exit delay: _____

Number of seconds programmed for entry delay: _____

Your main user's code (code 1) is: _____

Your duress digits are: _____

Your system is custom programmed for the following features:

- | | |
|---|--|
| <input type="checkbox"/> Delayed reporting | <input type="checkbox"/> Freezer Failure |
| <input type="checkbox"/> Panic Alarm | <input type="checkbox"/> On-site Printer |
| <input type="checkbox"/> Fire and Smoke Detection | <input type="checkbox"/> Other |
| <input type="checkbox"/> Furnace Failure | |

Your touchpad locations are (1-8 can be used as intercom/telephone units):

- | | |
|----------|-----------|
| 1. _____ | 9. _____ |
| 2. _____ | 10. _____ |
| 3. _____ | 11. _____ |
| 4. _____ | 12. _____ |
| 5. _____ | 13. _____ |
| 6. _____ | 14. _____ |
| 7. _____ | 15. _____ |
| 8. _____ | |

Your system zone locations are:

- | | |
|-----------|-----------|
| 1. _____ | 41. _____ |
| 2. _____ | 42. _____ |
| 3. _____ | 43. _____ |
| 4. _____ | 44. _____ |
| 5. _____ | 45. _____ |
| 6. _____ | 46. _____ |
| 7. _____ | 47. _____ |
| 8. _____ | 48. _____ |
| 9. _____ | 49. _____ |
| 10. _____ | 50. _____ |
| 11. _____ | 51. _____ |
| 12. _____ | 52. _____ |
| 13. _____ | 53. _____ |
| 14. _____ | 54. _____ |
| 15. _____ | 55. _____ |
| 16. _____ | 56. _____ |
| 17. _____ | 57. _____ |
| 18. _____ | 58. _____ |
| 19. _____ | 59. _____ |
| 20. _____ | 60. _____ |
| 21. _____ | 61. _____ |
| 22. _____ | 62. _____ |
| 23. _____ | 63. _____ |
| 24. _____ | 64. _____ |
| 25. _____ | 65. _____ |
| 26. _____ | 66. _____ |
| 27. _____ | 67. _____ |
| 28. _____ | 68. _____ |
| 29. _____ | 69. _____ |
| 30. _____ | 70. _____ |
| 31. _____ | 71. _____ |
| 32. _____ | 72. _____ |
| 33. _____ | 73. _____ |
| 34. _____ | 74. _____ |
| 35. _____ | 75. _____ |
| 36. _____ | 76. _____ |
| 37. _____ | 77. _____ |
| 38. _____ | 78. _____ |
| 39. _____ | 79. _____ |
| 40. _____ | 80. _____ |

Your access code assignments are:

#	Access Code						Options	Assigned To
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
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21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								

#	Access Code						Options	Assigned To
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
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46								
47								
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65								
66								

#	Access Code						Options	Assigned To
67								
68								
69								
70								
71								
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73								
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