

Instruction Manual



WSS5010
Version 2.1

About Your Security System

Your Westar Security Services has been designed to provide you with the greatest possible flexibility and convenience. Read this manual carefully and have your installer instruct you on your system's operation and on which features have been implemented in your system. All users of this system should be equally instructed in its use. Fill out the "System Information" page with all of your zone information and access codes and store this manual in a safe place for future reference.

Fire Detection

This equipment is capable of monitoring fire detection devices such as smoke detectors and providing a warning if a fire condition is detected. Good fire detection depends on having adequate number of detectors placed in appropriate locations. This equipment should be installed in accordance with NFPA 72 (N.F.P.A., Batterymarch Park, Quincy MA 02269). Carefully review the Family Escape Planning guidelines in this manual.

NOTE: Your installer must enable the fire detection portion of this equipment before it becomes functional.

Testing

To insure that your system continues to function as intended, you must test your system weekly. Please refer to "Testing Your System" on page 13 of this manual. If your system does not function properly, call Westar Customer Service at 1-800-654-6770.

Monitoring

This system is capable of transmitting alarms, troubles and emergency information over telephone lines to a monitoring station.

NOTE: The monitoring function must be enabled by the installer before it becomes functional.

General System Operation

Your security system is made up of a Westar WSS5010 control panel, one or more Westar keypads and various sensors and detectors. The control panel will be mounted out of the way in a utility closet or in a basement. The metal cabinet contains the system electronics, fuses and stand-by battery. There is normally no reason for anyone but your Westar installer or service professional to have access to the control panel.

All the keypads have an audible indicator and command entry keys. The LED keypads have a group of zone and system status lights. The LCD keypad has an alphanumeric liquid crystal display (LCD).

The keypad is used to send commands to the system and to display the current system status. The keypad(s) will be mounted in a convenient location inside the protected premises close to the entry/exit door(s).

The security system has several zones of area protection and each of these zones will be connected to one or more sensors (motion detectors, glassbreak detectors, door contacts, etc.). A sensor in alarm will be indicated by the corresponding zone lights flashing on a LED keypad or by written messages on the LCD keypad.

IMPORTANT NOTICE

A security system cannot prevent emergencies. It is only intended to alert you and – if included – your monitoring station of an emergency situation. Security systems are generally very reliable but they may not work under all conditions and they are not a substitute for prudent security practices or life and property insurance. Your security system should be installed and serviced by qualified security professionals who should instruct you on the level of protection that has been provided and on system operations.

System Information

Fill out the following information for future reference and store this manual in a safe place.

Access Codes

Your Master Code (40) is: _____

Additional Access Codes:

01 _____	09 _____	17 _____	25 _____
02 _____	10 _____	18 _____	26 _____
03 _____	11 _____	19 _____	27 _____
04 _____	12 _____	20 _____	28 _____
05 _____	13 _____	21 _____	29 _____
06 _____	14 _____	22 _____	30 _____
07 _____	15 _____	23 _____	31 _____
08 _____	16 _____	24 _____	32 _____

Duress Codes: 33 _____ 34 _____

Additional Master Codes: 41 _____ 42 _____

Zone Information

There are _____ active zones on the system.

Zone	Protected Area	Zone Type
1	_____	_____
2	_____	_____
3	_____	_____
4	_____	_____
5	_____	_____
6	_____	_____
7	_____	_____
8	_____	_____
9	_____	_____
10	_____	_____
11	_____	_____
12	_____	_____

13	_____	_____
14	_____	_____
15	_____	_____
16	_____	_____
17	_____	_____
18	_____	_____
19	_____	_____
20	_____	_____
21	_____	_____
22	_____	_____
23	_____	_____
24	_____	_____
25	_____	_____
26	_____	_____
27	_____	_____
28	_____	_____
29	_____	_____
30	_____	_____
31	_____	_____
32	_____	_____
FIRE	_____	_____



Keypad Fire Zone



Keypad Auxiliary Zone



Keypad Panic Zone

The Exit Delay Time is _____ seconds.

The Entry Delay Time is _____ seconds.

Customer Service

Account Identification Number: _____

For service, call 1-800-654-6770

Access Codes

Access Codes are used to arm and disarm the system. There are 37 access codes available: one Master Code, two additional master codes, two Duress codes and 32 access codes.

Only the Master Code can be used to program additional security codes and to change other system features as well as to arm and disarm the security system. The Master Code will be supplied to you by your installer. All keypad entries are made by pressing one key at a time.

NOTE: Since every panel from the factory has the same Master Code, you must program your own unique Master Code [40] as soon as possible after installation of your system is complete. Your Westar installer will demonstrate how to reprogram the code; however, the user must make the change.

Your system also allows for two security codes which, when entered, transmit a duress message to your monitoring station. Ask your installer for more information regarding Duress codes.

All access codes can be programmed by following the procedure outlined in "Programming Access Codes" on page 7.

Preparing the System for Arming

From an LED Keypad:

If the Ready light is ON, the system is ready for arming. If the Ready light is OFF, check to see that all doors and windows are closed and that motion is stopped in areas covered by motion detectors. The system cannot be armed unless the Ready light is ON, indicating that all zones are closed and the system is in the Ready state. If a zone cannot clear, it may be bypassed to allow partial system arming.

From an LCD Keypad:

Secure System Before Arming <>

 When this message appears, one or more zones are not secured. To secure the system, close all doors and windows and cease all motion in areas covered by motion detectors.

Press STAY/AWAY To Arm System <>

 When this message appears, use the arrow (< >) keys to verify that the system is clear of troubles and that no zones are bypassed unintentionally (see "Viewing Trouble Conditions" on page 12 and "Zone Bypassing" on page 11).

Press STAY/AWAY To Arm System

 If this display is showing, the system is in the Ready state and may be fully armed.

NOTE (All keypads): Arming your system with a bypassed zone or trouble condition reduces your security protection. If any of these problems exist, call Westar Customer Service at 1-800-654-6770.

Arming the System

There are three different ways you can choose to arm your system. The following sections explain each method of arming as initiated from both keypad types. Arming the system can only occur when the system is in the Ready state.

Away Arming

Arming the system in the Away mode will have all interior zones and perimeter zones active. If motion is detected in the interior zones, or if one of the perimeter zones is violated, the alarm sequence will begin.

To arm in the Away mode, press and hold the Away key for two seconds. The panel will provide an exit delay period, indicated by keypad beeps, for you to exit the premises without causing an alarm. Exit the premises through a door designated by your Westar installer as an Exit/Entry door. The system will recognise that occupants have left the premises. Once the exit delay expires, the system will be fully armed.

Stay Arming

Arming the system in the Stay mode will allow you to arm the perimeter zones while leaving the interior zones inactive so that you can remain on the premises while the system is armed. To arm the system in the Stay mode, press and hold the Stay key for two seconds. The system will arm in the Stay mode, automatically bypassing the interior zones.

The interior zones can be reactivated at any time by entering [*][1] at any keypad. If you reactivate the interior zones, be sure to only inhabit areas not covered by motion detectors. To access areas protected by motion sensors, you must enter your security code and disarm the system.

Arming Without Entry Delay

The system will be armed so that the perimeter zones including Exit/Entry doors will be Instant, meaning that anyone who enters the premises will cause an immediate alarm. There will be no entry delay when these zones are opened. To arm without entry delay, arm the system using the Stay or Away function keys, then enter [*] [9]. The keypad sounder will emit three short beeps and the Armed LED will flash.

To reactivate the entry delay, enter [*] [9]; the keypad sounder will emit one long tone.

NOTE: Please notify your Westar installer if a record of all arming activity is required for your application. The installer will program the system to require the user to enter an access code after pressing the Stay or Away keys in order for the system to arm.

Audible Exit Fault

In an attempt to reduce false alarms, the Audible Exit Fault is designed to notify you of an improper exit when arming the system in the Away mode. In the event that you fail to exit the premises during the allotted exit delay period, or if you do not securely close the Exit/Entry door, the system will notify you that it was improperly armed in two ways: the keypad will emit one continuous beep and the bell or siren will sound. If this occurs, you must re-enter the premises, enter your access code to disarm the system, and then follow the arming procedure again, making sure to exit the premises in the proper fashion.

Disarming the System

Disarming from an LED Keypad:

Enter the premises through a designated Exit/Entry door; entering by any other door will sound an immediate alarm. As soon as the Exit/Entry door is opened, the keypad will beep to indicate that the system should be disarmed. Go to the keypad and enter your access code. **If an error is made entering the code, press the [#] key and enter your code again.** As soon as the correct code is entered, the Armed light will go out and the keypad will stop beeping.

The correct access code must be entered before the entry delay period expires. If a valid access code is not entered during this time, the system will go into alarm. The entry time delay may be changed by your installer.

If an alarm occurred while the system was armed, the Memory light and the zone light corresponding to the zone which caused the alarm will flash for 30 seconds. After the 30 second period, the Memory light and zone light will stop flashing and the panel will return to the Ready state. Pressing the [#] key during the 30 second period will cancel the alarm memory display. To view other alarms, press [*][3].

If a trouble was detected when the panel is disarmed, the Trouble light will turn ON (See "Viewing Trouble Conditions" on page 12 to determine the source of the trouble.) Please note that troubles will not display while the system is in the Alarm Memory Display mode.

Disarming from an LCD Keypad:

Upon entering through a designated Exit/Entry door, the keypad will beep and the entry delay will commence, reminding you to disarm the system. The keypad will display the following message...

Entry Active
Enter Your Code

Enter your access code. **If an error is made in entering the code, press the [#] key and enter the code again.** When a valid access code is entered, the keypad will stop beeping. If no alarms occurred while the panel was armed, and there are no troubles, the display will read...

System Disarmed
No Alarm Memory

After about five seconds, the system will return to the Ready state and the display will read...

Press STAY/AWAY
To Arm System

View Memory < >
"Zone of Alarm"

If an alarm occurred while the system was armed, this message will be displayed. Use the arrow (< >) keys to view which zones caused the alarm. After viewing alarms, if a zone is still in alarm the display will show the following message to indicate that a zone is open...

Secure System
Before Arming < >

Press STAY/AWAY
To Arm System < >

Upon disarming and if a trouble is present, this message will be displayed. Use the arrow (< >) keys to view which troubles are affecting the system (see "Viewing Trouble Conditions" on page 11).

NOTE (All keypads): If you return and find that an alarm has occurred while you were away, it is possible that an intruder may still be on the premises. Go to a neighbour's house, and call the local police to investigate.

The alarm memory is cleared each time the panel is armed so that any alarms showing are alarms that occurred only during the last armed period.

If An Alarm Sounds

Fire Alarm

If your system has been installed with fire detectors and the alarm sounds in a pulsing mode, follow your emergency evacuation plan immediately (see "Family Escape Plan" on page 16).

Intrusion Alarm

If an intrusion alarm sounds, indicated by a continuous Bell or Siren, the alarm may be silenced by entering your access code.

You can determine the source of the alarm in the viewing alarm memory mode by following the instructions outlined in the "Disarming the System" section (see page 5). Once the source of the alarm has been corrected, the panel can be restored to its original armed state.

Programming Access Codes

Be sure to record your Master Code and all other access codes on the "System Information" page in this booklet. All access codes are four digits.

Programming codes from an LED Keypad:

The Master Code (40)

To program the Master Code, enter [*][5][Current Master Code][40][New Master Code]. Enter digits 0 through 9 only. Press [#] to return to the Ready state.

For example, to program a new Master Code of 9753, enter [*] [5]...[Master Code]...[40]...[9][7][5][3].

Additional Codes (01-32 User Codes; 33-34 Duress Codes)

Up to 32 additional access codes (01 through 32) may be programmed.

To program a new code, enter [*][5][Master Code][Code Number 01 to 32][New Access Code]. The code number is a double digit from 01 to 32. Enter digits 0 through 9 only. Press [#] to return to the Ready state.

If a code already exists for the code number you have selected, it will be replaced by the new code.

To program a Duress code, enter [*][5][Master Code][Code Number 33 or 34][New Duress Code].

To erase a code:

Enter [*][5][Master Code][Code Number 01 to 32][*]. Press [#] to return to the Ready state. **NOTE:**

The Master Code cannot be deleted.

Programming codes from an LCD Keypad:

Master Code (40)

Press the [*] key to enter the function list. Scroll (< >) to...

Press (*) for Access Codes	<>	Press [*]. The display will read...
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Enter Master Access Code		Enter your current Master Code. The display will read...
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(*) to Edit User Code	<>	01P	"01P" represents the first access code. Use the arrow (< >) keys to scroll to "40P" and press the [*] key to indicate that you wish to program the Master Code. The display will read...
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Enter New Code 1234	<>	Enter the new Master Code. Enter digits 0 through 9 only. Once the new code is entered, the keypad will beep three times and the display will read...
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(*) to Edit User Code	<>	01P	Press [#] to exit the code programming function.
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Additional Codes (01-32 User Codes; 33-34 Duress Codes)

To erase, add or change a user code, press [*] to enter the functions list. Use the arrow (< >) keys to scroll to the following message...

Press (*) for Access Codes	<>	Press [*]. Display will read...
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Enter Master Access Code		Enter the Master Code. Display will read...
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Continued on page 10...

WSS5508 LED Keypad

Function Keys (All Keypads):

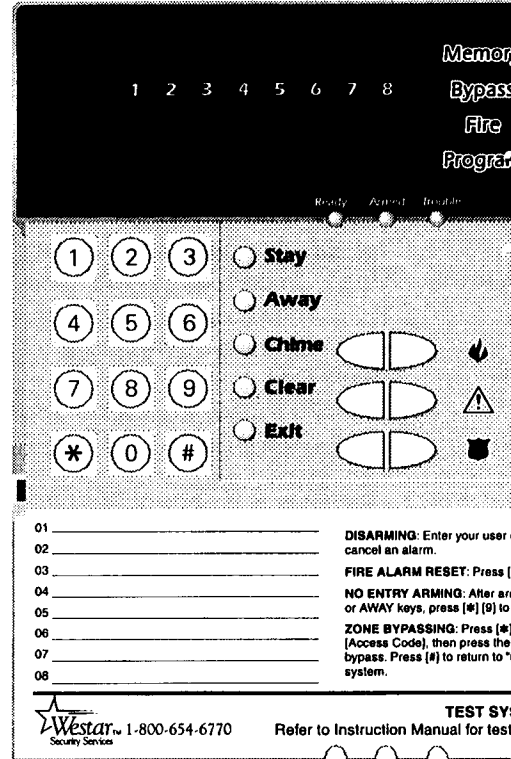
To arm the system in the **Away** mode, press and hold the AWAY key for two seconds. The keypad will sound a single beep followed by three beeps. The Armed light will turn ON and the keypad will begin sounding audible exit tones. The system will be armed with all zones active.

To arm the system in the **Stay** mode, press and hold the STAY key for two seconds. The keypad will sound a single beep, followed by three beeps. The Armed light will turn ON but there will be no audible exit tones. The system will be armed with only the perimeter zones active.

To turn the **Chime** feature ON or OFF, press and hold the CHIME key for two seconds. When the key is pressed, the keypad sounder will beep three times if the feature is being turned ON; it will sound one long beep if the feature is being turned OFF. With this feature ON, the keypad will chime when an Entry/Exit door is opened.

To **Clear** the alarm memory, press and hold the CLEAR key for two seconds. This will cause the alarm memory to be cleared. Be sure to check the alarm memory by entering [*] [3] before pressing the CLEAR key. The CLEAR key can also be used to return the system to the ready menu from any of the [*] menus, and also for clearing an incorrect access code.

To perform the **Quick Exit** function, press and hold the EXIT key for two seconds. This will allow you to open and close the Entry/Exit door without causing an alarm. The door must be shut after it is opened. **Note: Quick Exit is not designed to extend the standard exit delay.**



WSS5508 LED Keypad: Press the keys on the keypad to view alarms or troubles, to Arm/Disarm the system, to exit, or to bypass zones. To exit, press [#]; to select a function, press [*].

Display Lights

Ready Light (All keypads):

If the Ready light is ON, the system is ready for arming.

If the Ready light is OFF, check to see that all doors and windows are closed and that all movement is stopped in areas covered by motion detectors. The system cannot be armed unless the Ready light is ON indicating that all zones are closed and the system is in the Ready state.

Armed Light (All keypads):

If the Armed light is ON, the system has been armed successfully.

Trouble Light (All keypads):

If the Trouble light is ON, check to see what the trouble condition is and call for service (See "Viewing Trouble Conditions" on page 12).

Fire Light (LED keypads only):

If the Fire light is ON, a fire alarm has occurred (See "Fire Alarm Operation" on page 14).

Memory Light (LED keypads only):


Upon disarming, if an alarm has occurred while the system was armed, the Memory light will turn ON (See "Disarming the System" on page 11).

Bypass Light (LED keypads only):


If the Bypass light is ON, ensure that all zones are intentionally bypassed before arming the system (See "Bypassing" on page 11).

WSS5500 Keypad

Fire, Auxiliary and Panic Keys (All Keypads):

Press both  Keys for two seconds to send a FIRE transmission.

Press both  Keys for two seconds to send an AUXILIARY transmission.

Press both  Keys for two seconds to send a PANIC transmission.

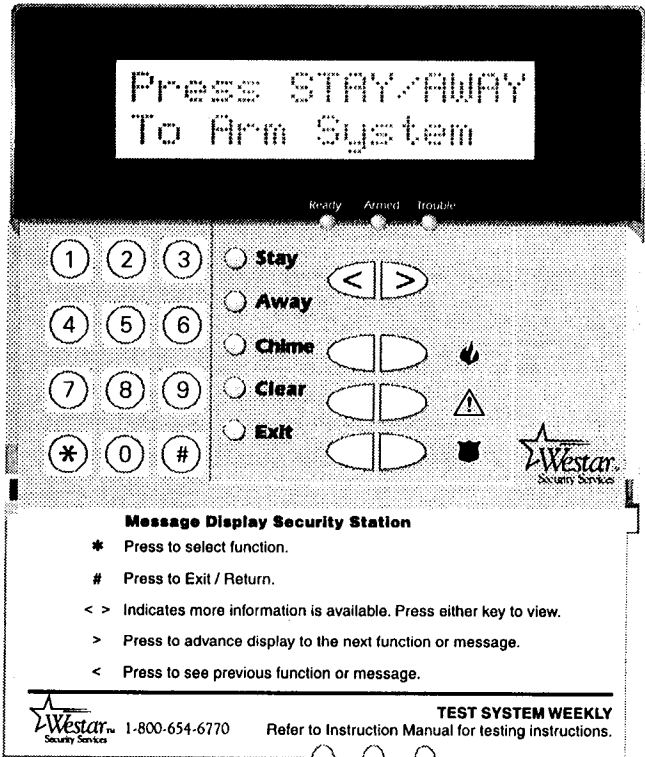
NOTE: The Fire key will NOT function unless programmed by your Westar installer. If the fire key is in service, press and hold both keys for two seconds. This will cause the keypad sounder to beep indicating that the input has been accepted and transmission is underway.

Keypad Backlighting

The keypad keys are backlit so as to ensure that they are visible even in poorly lit areas. This backlighting will intensify when any key is pressed; a function or emergency key, however, must be held for two seconds before this intensified backlighting is activated. The brighter level will continue for 30 seconds after the last keypress is made.

Program Light (LED keypads only):

The Program light will flash you are programming access codes, setting the system time or performing other programming functions. If someone is programming at another keypad, the Program light will turn ON to indicate that the system is busy. The Program light will also flash when a message has been sent from your Westar installer which can be viewed on an LCD keypad.



WSS5500 LCD Keypad:

The **Liquid Crystal Display (LCD)** displays prompts and system information on two 16 character lines.

If "< >" appears, more information can be accessed by using the arrow (< >) keys. Press [**<**] to see the previous function or item of information. Press [**>**] to advance the display to next function or item of information.

Press the keys on the number pad as prompted by the LCD display to view alarms or troubles, to arm and disarm the system and to bypass zones.

To exit a function and return to the Ready state, press [#]; to select a function press [*].

NOTE: All functions can be performed from any LCD keypad by using the LED keypad commands, as well as by scrolling through the message display.

Important Note: Test system weekly and have any system trouble conditions corrected by your alarm installer.

[*] to Edit <>
User Code 01P

Use the scroll keys (< >) to find the access code – indicated by “01P” to “32P” for user codes, “33P” and “34P” for Duress codes – you wish to add, change or delete. Press the [*] key to select the code you wish to alter. The display will read...

Enter New Code <>
1234

To add or change a code, enter the new code. Enter digits 0 through 9 only. To delete an access code, enter [*]. Once the 4 digit code or [*] has been entered, the keypad sounder will beep 3 times and the display will read...

[*] to Edit <>
User Code 01P

The “P” means the code has been programmed. If there is no “P” then that code is deleted. Press [#] to exit the code programming function. **NOTE: The Master Code cannot be deleted.**

Editing Access Code Attributes

Each user code can be enabled to be used for four different functions. The four User Code attributes are as follows:

Attribute 1: Whenever this code is used to arm or disarm the panel, there will be a communication to a pager.

Please notify your Westar installer if you wish to access this attribute. For a list of pager reporting codes, please see “Pager Format” on page 17.

Attribute 2: This code can be used to reset or bypass a day zone alarm.

Attribute 3: This code can be used to bypass zones.

Attribute 4: This code will be able to access the panel through the WSS5580.

To edit the user code attributes from an LED keypad, enter [*][5], followed by the Master Code. The zone lights corresponding to the codes already programmed will be ON. Press [9]. The Ready light will turn ON and the Armed light will turn OFF. Enter the number (01 to 32) corresponding to the User Code that you wish to edit.

The first four zone lights, corresponding to the four different attributes, will be ON or OFF. If the light is ON, that particular attribute is activated for the code you have selected. To activate or deactivate each attribute, enter the corresponding number (1 to 4).

To edit the user code attributes from an LCD keypad, enter [*] [5] [Master Code] [9]. The display will read...

* For Options <>
User Code 01P

Use the scroll keys (< >) to find the user code (“01P” to “32P”) you wish to edit. Once you have chosen the code you wish to edit, press the [*] key. The display will read...

Select Option <>
Pager Comms. Yes

This message will be displayed whether or not you wish to activate the pager communication attribute for the access code you have selected. To select this attribute, press [*]; use the arrow keys (< >) to scroll to the other three attributes. Their respective LCD messages will read as follows:

Select Option <>
Byp. Day Zns. Yes

for Attribute 2;

Select Option <>
Zone Bypass Yes

for Attribute 3;

Select Option <>
Phone Access Yes

for Attribute 4.

As with the first attribute, press [*] to activate (“Yes”) or deactivate (“No”) each attribute. Press [#] to exit.

Event Buffer (LCD Keypads Only)

This function allows the user to review all system events on the keypad display. The first line of the display will show the event number and the second line will show the time and date at which the event occurred. To view the event buffer, enter [*] [6] followed by the Master Code. Use the arrow (< >) keys to scroll to "View Event Buffer". Press the [*] key. Use the arrow (< >) keys to scroll through all 128 events. To view a detailed description of the events, press the [*] key.

Zone Bypassing

The zone bypassing function is used when access is needed to part of the protected area while the system is armed. Zones which are temporarily out of service due to damaged wiring or contacts may be bypassed to allow system arming until repairs can be made.

Bypassed zones will not cause an alarm. Zones cannot be bypassed once the system is armed. Bypassed zones are automatically cancelled each time the system is disarmed and must be reapplied before the next arming.

NOTE: For security reasons, your installer may program the system to prevent you from bypassing certain zones. Fire zones cannot be bypassed.

Bypassing zones reduces your security protection. If you are bypassing a zone due to damaged wiring or contacts, please call Westar Customer Service immediately so that the problem can be resolved and your system returned to proper working order.

Do not unintentionally bypass zones when you arm your system.

To bypass zones from an LED keypad:

Start with the system in the Ready state. Enter [*][1][Access Code][Zone number(s) to be bypassed]. Enter the zone number(s) as a double digit from 01 to 32. As each zone is bypassed, the corresponding zone light will turn ON. If a zone is bypassed by mistake, press that zone number again and the zone light will turn OFF, indicating that the zone is not bypassed. Press [#] to return to the Ready state.

To bypass zones from an LCD keypad:

To bypass a zone, the system must be in the Ready state. The display will read...

Press STAY/AWAY To Arm System	Press the [*] key to enter the functions menu. The display will read...
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Press (*) for Zone Bypass <>	Press the [*] key to enter the zone bypassing mode. The display will read...
---------------------------------	--

Enter Your Access Code	Enter your access code. The display will read...
---------------------------	--

Zone Search <> "Zone Name"	Use the arrow (< >) keys to find the zone to be bypassed and press the [*] key to select it. The display will read...
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Zone Search <> "Zone Name" B	"B" will appear on the display to show that the zone is bypassed. To unbypass a zone, enter the zone number; the "B" will disappear from the display to show that the zone is no longer bypassed.
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Zone Search <> "Zone Name" O	This display will be shown if a zone was open when you entered the bypassing command. The open zone will be represented by "O". If you bypass the open zone, the "O" will be replaced by a "B".
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To exit the bypassing mode and return to the Ready state, press the [#] key.

Viewing Trouble Conditions

The control panel continuously monitors a number of possible trouble conditions. If one of these trouble conditions occur, the keypad will beep twice every 10 seconds until you press any key on the keypad.

Troubles can only be viewed when the system is in the disarmed state. If a trouble occurs while the system is armed, enter your access code to disarm the system, then follow the procedure outlined below to determine the specific trouble.

NOTE: A trouble condition reduces the security your system is designed to provide. If a trouble condition is present, call Westar Customer Service for assistance.

To view troubles from an LED Keypad:

A trouble will be indicated by the Trouble light which will remain ON until the trouble condition is cleared. If you cannot determine or remedy the cause of the trouble condition, contact your installer for assistance.

To view the type of trouble condition, press [*][2]. One or more zone lights will turn ON, indicating the various trouble conditions:

ZONE LIGHT	TYPE OF TROUBLE
1	Service required. Press [1] and one or more of the zone lights corresponding to the type of service required will turn ON: 1. Low Battery 2. Bell Circuit Trouble 3. General System Trouble 4. General System Tamper 5. General System Supervisory 6. WSS5204 Low Battery 7. WSS5204 AC Fail
2	Indicates the loss of AC power. When this trouble occurs, the Trouble light will turn ON but keypad buzzer will not sound.
3	Telephone line trouble.
4	The panel has failed to communicate with the central station.
5	Zone fault. Press [5] and the zone light(s) corresponding to the faulted zones will turn ON.
6	Zone tamper. Press [6] and the zone light(s) corresponding to the tampered zones will turn ON.
7	Low zone battery. Press [7]. The keypad will beep once and the numbers corresponding to the zones with battery trouble will be ON. Press [7]. The keypad will beep twice and the numbers corresponding to the handheld keypads with battery trouble will be ON. Press [7]. The keypad will beep three times and the numbers corresponding to the wireless keys with battery trouble will be ON.
8	Loss of time on system clock. To set the system time, following the instructions in "Setting System Date and Time" on page 13.

Press [#] to exit the trouble viewing mode.

To view troubles from an LCD Keypad:

From the Ready state, use the arrow (< >) keys to scroll to the following message.

System Trouble
(*2) to View<>

Press [*] [2] key to view the trouble. The message will read...

View Trouble <>
"Trouble Message"

Use the arrow (< >) keys to view which troubles are present on the system. Once you have scrolled through the list of troubles, Press the [#] key to exit the Trouble Viewing mode and return to the Ready state.

Keybus Fault

The keybus is the communication connection between all keypads and modules of your alarm system. **Should a keybus fault occur, your Westar installer should be notified immediately.** A keybus fault will be indicated on both keypad types by a continuing series of beeps.

From an LED keypad, the keybus fault beeps can be silenced by pressing and holding the [*] key for two seconds. An LCD keypad will display the following message when a keybus fault is detected...

Keybus Fault
[#] To Silence

Press the [#] key to silence the keypad beeping. The following message will be displayed...

Keybus Fault
Call For Service

Testing Your System

Alarm Test

The Alarm Test provides two second test of the keypad sounder and bell or siren. Begin with the panel in the Ready state.

From an LED keypad, Enter [*][6][Master Code][2] then press [#] to return to the Ready state.

From an LCD keypad, press [*] to enter the functions list. Use the arrow (< >) keys to scroll to find "User Functions" and press [*] to select. Enter your Master Code and scroll to find the following message...

Select Option <>
System Test

Press [*] to perform an Alarm Test. The keypad will display the following message...

System Test
In Progress

Press [#] to return to the Ready state.

Full System Test

We recommend that you test your system weekly. Should the system fail to function properly, call Westar Customer Service immediately for service.

NOTE: Perform system tests during off-peak hours, such as early morning or late evening.

1. Inform the monitoring station that you are testing your system.
2. Begin with the system in the Ready state.
3. Perform a Bell/Battery test by pressing [*][6][Master Code][2]. The bell and keypad buzzer will sound for two seconds. Press [#] to exit.
4. Activate each sensor in turn (e.g. open a door/window or walk in motion detector areas).
From an LED keypad, observe the zone light turn ON when the zone is activated. The zone light will turn OFF when the system restores to normal (i.e. door or window closed).
From an LCD keypad, the Ready light will turn OFF and the following message will be displayed when each zone is activated...

Secure System
Before Arming <>

Use the arrow (< >) keys to view which zone is open. This message will disappear and the Ready light will turn ON when the zone is restored.

5. If the panel has any fire zones, activation will cause the alarm signal to sound in a pulsed mode.
CAUTION: Do not use an open flame or burning materials to test a smoke or heat detector. Contact Westar Customer Service for information on safe methods of testing detectors.
6. When testing is complete, call and advise the monitoring station. Should the system fail to function properly, call Westar Customer Service at 1-800 654-6770.

Note: Some features described will not be functional unless enabled by your installer. Please ensure that your installer has advised you which features are functional on your system.

Setting the System Date and Time

To set the system time, enter [*] [6] followed by the Master Code. Press [1]. The keypad will now accept 10 consecutive digits: Enter the Time in hours and minutes using the 24 Hour format (00:00 to 23:59). Enter the Date in months, days and years (MM DD YY).

Language Selection (LCD Keypads Only)

The displayed language of the keypad can be changed by pressing and holding both of the arrow (< >) keys simultaneously. This will cause the keypad to enter the Language Selection mode. Scroll to the desired language and press the [*] key. This will select the new language and restart the keypad.

Door Chime Feature

The door chime feature is used while the panel is disarmed to provide a tone from the keypad each time a door or window is opened. The doors and windows which will provide this indication are programmed by your installer.

To activate the door chime feature, press and hold the Chime key for two seconds. The keypad will beep three times if the door chime feature is enabled and will sound one long beep if it is disabled. The activated door chime feature will be indicate from an LCD keypad by the following message...

Door Chime Feature ON

Press [#] to return to the Ready state.

Fire Alarm Operation

Alarm

On a fire alarm, the bell or siren will pulse ON and OFF. The transmission of the alarm to the monitoring station is delayed for 30 seconds. If the alarm is not cleared within the 30 second delay, the it will be transmitted to the monitoring station.

Silence

To silence the bell or siren, press the [#] key. If the alarm is silenced and the smoke detector is not reset, the alarm will resound after 90 seconds.

Resetting Smoke Detectors

To reset smoke detectors from any keypad, press [*] [7] [2]. Once the smoke detector is reset, if it still detects smoke, the alarm sequence will resound as described above. If there is no smoke, the system will return to normal.

Note: If there is no fire condition and you suspect that the system has transmitted an alarm, expect a phone call from a Westar Security Systems dispatcher. (Some fire departments do not permit this call to be made.) If a fire condition is apparent, or if the alarm sounds at night, follow your evacuation plan immediately.

Household Fire Safety Audit

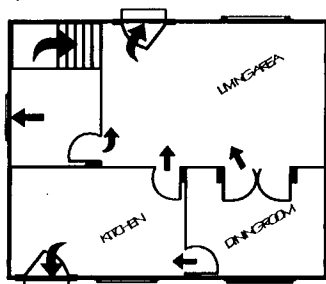
Most fires occur in the home. To minimize this danger, we recommend that a household fire safety audit be conducted and a fire escape plan be developed.

1. Are all electrical appliances and outlets in a safe condition? Check for frayed cords, overloaded lighting circuits, etc. If you are uncertain about the condition of your electrical appliances or household service, have a professional evaluate these units.
2. Are all flammable liquids stored safely in closed containers in a well ventilated cool area? Cleaning with flammable liquids should be avoided.
3. Are fire hazardous materials (matches) well out of reach of children?
4. Are furnaces and wood burning appliances properly installed, clean and in good working order? Have a professional evaluate these appliances.

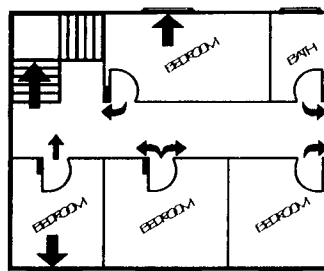
Family Escape Plan

There is often very little time between the detection of a fire and the time it becomes deadly. An escape plan must be developed and rehearsed by every member of the family in order to prevent the loss of life in the event of a fire. The following steps are recommended by the National Fire Protection Association:

1. Make sure your detector or your interior and/or exterior sounders can be heard by all occupants while in their bedrooms with the doors closed.
2. Determine two means of escape from each room. One path of escape should lead to the main point of entry/exit, such as the front door. A second path of escape should be developed, such as through a window, should the first path be impassable. Station an escape ladder at such windows if there is a long drop to the ground.
3. Assure that all bedroom doors are shut while you are asleep. This will prevent deadly smoke from entering in the event of a fire.
4. If you suspect a fire, feel your bedroom door first before opening it. If it feels hot, do not open it and use your alternate escape route. If the door is cool, open it cautiously. Be prepared to slam the door closed if heat or smoke rushes in. Close the bedroom door behind you to slow the spread of the fire.
5. In smoky areas, crawl close to the floor. Hold your breath.
6. Do not stop to collect valuables. Escape quickly and remain calm.
7. Decide on a common meeting place outdoors, away from the house. The meeting place should be near but not on the street.
8. Call the fire department. Use a neighbor's phone, even if you have to wake them up. Do not allow anyone to go back into the house if there is a fire there. Stay together so that you can tell the firefighters where everyone is.
9. Practice your escape plan regularly, several times a year. Practice escaping from your window if that is one of your alternate routes. Practice crawling on the floor. Children learn by doing and following your example.



MAIN FLOOR



SECOND FLOOR

Guidelines for Locating Smoke Detectors

Experiments with typical fires in homes indicate that detectable quantities of smoke precede detectable levels of heat in most cases. For this reason, smoke detectors should be installed outside each sleeping area and on each story of the home.

The following information is for general guidance. Local fire codes and regulations should be consulted before installing smoke detectors.

A smoke detector shall be located between the sleeping area and the rest of the home as in Figure 1. In homes with more than one sleeping area, a smoke detector shall be located outside of each sleeping area, as in Figure 2. A smoke detector shall be located on each story of the home, as in Figure 3.

Additional smoke detectors beyond those required for minimum protection should be installed and may be required by local fire codes. Areas which should also be protected include bedrooms, dining rooms, other hallways, and basements and utility rooms if they meet the temperature guidelines.

Smoke detectors shall not be mounted within 4 in. (10 cm) of any corner, or on a wall within 4 in. (10 cm) of the ceiling. Refer to Figure 4. A "dead air zone" near the corner will prevent smoke from immediately entering the detector.

Figure 1

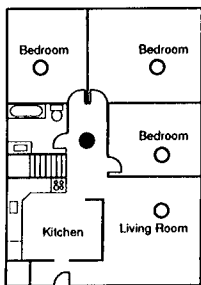


Figure 2

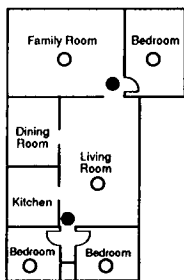


Figure 3

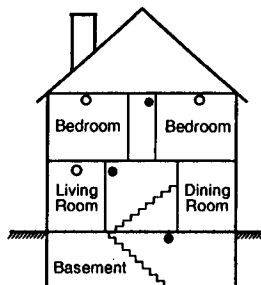
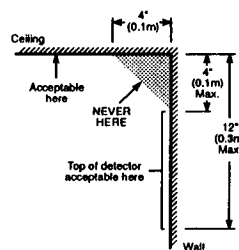


Figure 4



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

● Smoke alarms for minimum protection

○ Smoke alarms for better protection

Locations to avoid:

- Do not locate smoke detectors at the top of peaked or gabled ceilings; the "dead" air in these locations may prevent the unit from detecting smoke.
- Avoid areas with turbulent airflow, such as near fans, doors or windows as they may prevent smoke from entering the unit.
- Do not locate smoke detectors in high humidity areas—such as in bathrooms or attics—or where the temperature rises above 100°F or falls below 41°F.
- Do not locate smoke detectors in poorly ventilated garages or kitchens; car exhaust or cooking smoke could cause false alarms.

Maintenance

With normal use, the system requires minimal maintenance. The following points should be observed.

1. Do not wash the security station with a wet cloth. Light dusting with a slightly moistened cloth should remove normal accumulations of dust.
2. The battery/bell test is designed to determine battery condition. We recommended, however, that the stand-by batteries be replaced every three years.
3. For other system devices such as smoke detectors, passive infrared, ultrasonic or microwave motion detectors or glassbreak detectors, consult the respective manufacturer's literature for testing and maintenance.

Pager Format

If the pager option is enabled by the installer, the following codes will be sent to the pager when the corresponding event occurs. For example, if user code number 3 has the paging attribute enabled, when the person with user code number 3 arms (closes) the system, the reporting code "03" will be sent to the pager. The reporting code "53" will be sent when the same user disarms (opens) the system.

Pager Reporting Codes

Closing By User01	01	Closing By User27	27	Opening By User16	66
Closing By User02	02	Closing By User28	28	Opening By User17	67
Closing By User03	03	Closing By User29	29	Opening By User18	68
Closing By User04	04	Closing By User30	30	Opening By User19	69
Closing By User05	05	Closing By User31	31	Opening By User20	70
Closing By User06	06	Closing By User32	32	Opening By User21	71
Closing By User07	07	Closing By User33	33	Opening By User22	72
Closing By User08	08	Closing By User34	34	Opening By User23	73
Closing By User09	09	Closing By User40	35	Opening By User24	74
Closing By User10	10	Closing By User41	36	Opening By User25	75
Closing By User11	11	Closing By User42	37	Opening By User26	76
Closing By User12	12	Opening By User01	51	Opening By User27	77
Closing By User13	13	Opening By User02	52	Opening By User28	78
Closing By User14	14	Opening By User03	53	Opening By User29	79
Closing By User15	15	Opening By User04	54	Opening By User30	80
Closing By User16	16	Opening By User05	55	Opening By User31	81
Closing By User17	17	Opening By User06	56	Opening By User32	82
Closing By User18	18	Opening By User07	57	Opening By User33	83
Closing By User19	19	Opening By User08	58	Opening By User34	84
Closing By User20	20	Opening By User09	59	Opening By User40	85
Closing By User21	21	Opening By User10	60	Opening By User41	86
Closing By User22	22	Opening By User11	61	Opening By User42	87
Closing By User23	23	Opening By User12	62	Special Closing	
Closing By User24	24	Opening By User13	63	(DLS, Wireless Key)	00
Closing By User25	25	Opening By User14	64	Special Opening	
Closing By User26	26	Opening By User15	65	(DLS, Wireless Key)	50

FCC COMPLIANCE STATEMENT

CAUTION: Changes or modifications not expressly approved by the manufacturer could void your authority to use this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful 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:

- Re-orient the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

The user may find the following booklet prepared by the FCC useful: "How to Identify and Resolve Radio/Television Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402, Stock # 004-000-00345-4.

IMPORTANT INFORMATION

This equipment complies with Part 68 of the FCC Rules. On the side of this equipment is a label that contains, among other information, the FCC registration number of this equipment.

NOTIFICATION TO TELEPHONE COMPANY Upon request, the customer shall notify the telephone company of the particular line to which the connection will be made, and provide the FCC registration number and the ringer equivalence of the protective circuit.

FCC Registration Number: F53CAN-22839-AL-E

Ringer Equivalence Number: 0.1B

USOC Jack: RJ-31X

TELEPHONE CONNECTION REQUIREMENTS Except for the telephone company provided ringers, all connections to the telephone network shall be made through standard plugs and telephone company provided jacks, or equivalent, in such a manner as to allow for easy, immediate disconnection of the terminal equipment. Standard jacks shall be so arranged that, if the plug connected thereto is withdrawn, no interference to the operation of the equipment at the customer's premises which remains connected to the telephone network shall occur by reason of such withdrawal.

INCIDENCE OF HARM Should terminal equipment or protective circuitry cause harm to the telephone network, the telephone company shall, where practicable, notify the customer that temporary disconnection of service may be required; however, where prior notice is not practicable, the telephone company may temporarily discontinue service if such action is deemed reasonable in the circumstances. In the case of such temporary discontinuance, the telephone company shall promptly notify the customer and will be given the opportunity to correct the situation.

ADDITIONAL TELEPHONE COMPANY INFORMATION The security control panel must be properly connected to the telephone line with a USOC RJ-31X telephone jack.

The FCC prohibits customer-provided terminal equipment be connected to party lines or to be used in conjunction with coin telephone service. Interconnect rules may vary from state to state.

CHANGES IN TELEPHONE COMPANY EQUIPMENT OR FACILITIES The telephone company may make changes in its communications facilities, equipment, operations or procedures, where such actions are reasonably required and proper in its business. Should any such changes render the customer's terminal equipment incompatible with the telephone company facilities the customer shall be given adequate notice to the effect modifications to maintain uninterrupted service.

RINGER EQUIVALENCE NUMBER (REN) The REN is useful to determine the quantity of devices that you may connect to your telephone line and still have all of those devices ring when your telephone number is called. In most, but not all areas, the sum of the RENs of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices that you may connect to your line, you may want to contact your local telephone company.

EQUIPMENT MAINTENANCE FACILITY If you experience trouble with this telephone equipment, please contact the facility indicated below for information on obtaining service or repairs. The telephone company may ask that you disconnect this equipment from the network until the problem has been corrected or until you are sure that the equipment is not malfunctioning.

Harman Security Products 160 Washburn St., Lockport, NY 14094



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1-800-654-6770