

Fire Alarm System

Your fire alarm system (if installed) is on 24 hours a day, providing continuous protection. In the event of an emergency, the smoke and heat detectors automatically send signals to your Control, triggering a loud interrupting sound from the keypad and the optional exterior sounders. FIRE appears at your keypad and remains on until you silence the alarm.

In Case Of Fire Alarm

1. Should you become aware of a fire emergency before your detectors sense the problem, go to your nearest keypad and manually initiate an alarm by pressing the panic key assigned as FIRE emergency (if programmed by the installer) and hold down for at least 2 seconds.
2. Evacuate all occupants from the premises.
3. If flames and/or smoke are present, leave the premises and notify your local Fire Department immediately.
4. If no flames or smoke are apparent, investigate the cause of the alarm. The descriptor of the zone(s) in alarm appears at the keypad.

Silencing a Fire Alarm

1. Silence the keypad by entering your code and pressing the **OFF** key. This may or may not also silence the fire bells. A second entry may be required, depending on system programming. To clear the display, enter your code and press the **OFF** key again
2. If the keypad does not indicate a **READY** condition after the second **OFF** sequence, press the **READY** key to display the zone(s) that are faulted. Be sure to check that smoke detectors are not responding to smoke or heat producing objects in their vicinity. Should this be the case, eliminate the source of heat or smoke.
3. If this does not remedy the problem, there may still be smoke in the detector. Clear it by fanning the detector for about 30 seconds.
4. You can clear the display by entering your code + the **OFF** key.

Fire Alarm System (cont'd)

Event Display Lock

If several zones produce an alarm, trouble or supervisory, the system will display the first zone that produced an event. To display the other zone(s) in alarm or trouble, press the [*] key for each zone.

Fire Drill Test (Code + # + 69)

This test causes Notification Appliance Circuits to be activated for the purpose of conducting a fire drill or a bell test. This can only be activated by the installer or a master user from Partition 1 keypads as follows:

1. Enter the corresponding security code and press [#] + 69 (make sure the burglary portion of the system is disarmed). Keypads will display “FIRE DRILL ACTIVE” while the test is active.
2. The test may be stopped by entering any security code and pressing **OFF**.

NOTE: The system continues to monitor all 24-hour zones (fire, panic, etc.), while this test is active, and will end the test when an alarm condition is detected. This test should be conducted at periodic intervals as determined by the local authority having jurisdiction.

Trouble Conditions

Typical Trouble Displays

The word **CHECK** or **TRBL** on the Keypad's display, accompanied by a rapid "beeping" at the Keypad, indicates there is a trouble condition in the system.

To silence the beeping sound for trouble conditions, press any key.

- **“CHECK”** or **“TRBL”** display accompanied by a display of **“CALL SERVICE”** indicates that a problem exists with the system that eliminates some of the protection. **CALL FOR SERVICE IMMEDIATELY.**
- **“CHECK”** or **“TRBL”** display accompanied by a display of one or more zone descriptors indicate that a problem exists with those zone(s). First, determine if the zone(s) displayed are intact (this may include Fire and Waterflow type zones) and make them so if they are not. If the problem has been corrected, key an OFF sequence (Code plus OFF) to clear the **“CHECK”** or **“TRBL”** display. If the display persists, **CALL FOR SERVICE IMMEDIATELY.**
- **“CHECK”** or **“TRBL”** display accompanied by a display of **“6XX,”** where XX = 01-32, indicates a trouble on a supervised relay (corresponding relay number 01-32).
- **“CHECK”** or **“TRBL”** display accompanied by a display of **“8XX,”** where XX = 00-30, indicates a trouble on a peripheral device (connected to the panel's keypad terminals).
- **“CHECK”** or **“TRBL”** display accompanied by a display of **“9XX,”** where XX = 00-99, indicates a system trouble exists (dialers, Notification Appliance Circuits, ground fault, etc.). These zones are as follows:

970: Bell 1 Output	975: Dialer 2
971: Bell 2 Output	988: 2 nd RF Receiver – not receiving signals
972: Earth Ground Fault	990: 1 st RF Receiver – not receiving signals
973: J2 Trigger Output	997: Polling Loop Short
974: Dialer 1	
- **“SUPV”** display accompanied by a display of one or more zone descriptors indicates a problem on fire supervisory zone(s). This means that the operation of the fire alarm system may be compromised. First, determine if the zone(s) displayed are intact and make them so if they are not. If the problem has been corrected, key an OFF sequence (Code plus OFF) to clear the **“SUPV”** display. If the display persists, **CALL FOR SERVICE IMMEDIATELY.**

Trouble Conditions (cont'd)

- A display of "**COMM. FAILURE**" at the Keypad indicates that a failure has occurred in the telephone communication portion of your system. CALL FOR SERVICE IMMEDIATELY.
- A display of "**SYSTEM LO BAT**", accompanied by a once per minute "beeping" at the Keypad indicates that a low system battery condition exists. CALL FOR SERVICE IMMEDIATELY.
- A display of "**LO BAT**" and a zone descriptor, accompanied by a once per minute "beeping" at the Keypad indicates that a low battery condition exists in the wireless transmitter displayed. CALL FOR SERVICE IMMEDIATELY.
- A display of "**MODEM COMM**" indicates that the control is on-line with the central station's remote computer. The control will not operate while on-line.
- A display of "**HSENS**" and a zone number indicates a smoke detector with a high sensitivity level, which may cause false alarms. CALL FOR SERVICE IMMEDIATELY.
- A display of "**LSSENS**" and a zone number indicates a smoke detector with a low sensitivity level. Detectors with a low sensitivity might not detect a smoke condition. CALL FOR SERVICE IMMEDIATELY.

Power Failure

If the message "**AC LOSS**" is displayed, the Keypad is operating on battery power only. If only some lights are out on the premises, check circuit breakers and fuses and reset or replace as necessary. CALL FOR SERVICE IMMEDIATELY if AC power cannot be restored.

SERVICING INFORMATION
Your local HONEYWELL dealer is the person best qualified to service your alarm system. Arranging some kind of regular service program with him is advisable. Your local HONEYWELL dealer is:
Name: _____
Address: _____ _____
Phone: _____

Emergency Evacuation

Establish and regularly practice a plan of escape in the event of fire. The following steps are recommended by the National Fire Protection Association:

1. Position your detector or your interior and/or exterior sounders so that they can be heard by all occupants.
2. Determine two means of escape from each room. One path of escape should lead to the door that permits normal exit from the building. The other may be a window, should your path be impassable. Station an escape ladder at such windows if there is a long drop to the ground.
3. Sketch a floor plan of the building. Show windows, doors, stairs and rooftops that can be used to escape. Indicate escape routes for each room. Keep these routes free from obstruction and post copies of the escape routes in every room.
4. Assure that all fire doors are shut while you in the building. This will prevent deadly smoke from entering while you escape.
5. Try the door. If the door is hot, check your alternate escape route. If the door is cool, open it cautiously. Be prepared to slam the door if smoke or heat rushes in.
6. Where smoke is present, crawl on the ground; do not walk upright. Smoke rises and may overcome you. Clearer air is near the floor.
7. Escape quickly; don't panic.
8. Establish a common meeting place outdoors, away from your house, where everyone can meet and then take steps to contact the authorities and account for those missing. Choose someone to assure that nobody returns to the house — many die going back.

Maintaining Your System

Taking Care of Your System

The components of your security system are designed to be as free of maintenance as possible. However, there are some things you can do to make sure that your system is in reliable working condition.

1. Test your system weekly. (See *TESTING THE SYSTEM* and *FIRE ALARM SYSTEM* sections).
2. Test the system after any alarm occurs.

Replacing Batteries in Wireless Sensors

Wireless sensors may not have been used in your security system

Each wireless sensor in your system has a 9-volt or 3-volt battery. The system detects a low battery in any wireless sensor, including smoke detectors, the optional personal emergency transmitter, and the optional portable wireless keypad. (A low battery in a portable wireless keypad is detected as soon as one of its keys is pressed, and the keypad will display **00**.)

Alkaline batteries provide a minimum of 1 year of operation, and in most units and applications, provide 2–4 years of service. Actual battery life will depend on the environment in which the sensor is used, the number of signals that the transmitter in the sensor has had to send, and the specific type of sensor. Factors such as humidity, high or low temperatures or large swings in temperature, may all lead to the reduction of actual battery life in an installation.

If you have a low battery in a wireless sensor, a low battery message is displayed on the keypad.

In addition, a battery-operated smoke detector with a low battery also emits a single "chirp" sound once approximately every 20-30 seconds, identifying itself as the smoke detector with the weak battery. If you do not replace a smoke detector's low battery, the smoke detector may sound continuously, as if there were a fire alarm.

NOTE: The low battery message comes on as a warning that battery replacement in indicated sensor(s) is due within 30 days. In the meantime, the sensor(s) causing the low battery indication is still fully operational.

IMPORTANT: Use only batteries recommended by your installer as replacement.

Maintaining Your System (cont'd)

Silencing Low Battery Warning Tones at the Keypad

The keypad's warning tones can be silenced by performing an OFF sequence (code plus OFF key), but the Keypad's low battery message display will remain on as a reminder that you have a low battery condition in one or more of your sensors. When you replace the weak battery with a fresh one, the sensor will send a "good battery" signal to the control as soon as the sensor is activated (opening/closing of door, window, etc.), causing the low battery display to turn off. If the sensor is not activated, the display will automatically clear within approximately 1 hour.

Routine Care

- Treat the components of your security system as you would any other electrical equipment. Do not slam sensor-protected doors or windows.
- Keep dust from accumulating on the keypad and all protective sensors, particularly on motion sensors and smoke detectors.
- The keypad and sensors should be cleaned carefully with a dry soft cloth.
Do not spray water or any other fluid on the units.

NOTE: It is important that your system is tested periodically to insure proper protection. This includes testing the fire alarm portion of your system. See *TESTING THE SYSTEM* and *FIRE ALARM SYSTEM* sections for the testing procedures.

Quick Guide to Fire System Functions

ACTION	PROCEDURE
Displaying Event	<p>The system is programmed to lock the keypad display with the first event that occurred in priority order.</p> <ol style="list-style-type: none"> 1. Fire – highest priority 2. Life Safety 3. Troubles and Supervisory 4. System Events (i.e. low battery) – lowest priority <p>To display the next event, press the [*] key. Repeat as necessary. To revert to the first event displayed, press the # key.</p>
Silencing Fire Alarms	Enter User Code +1 (OFF). This will silence the keypad, but may or may not silence the fire bells, depending on system programming. A second User Code + 1 (OFF) sequence may be required. The Silenced LED on the 6160CR-2 keypad will light.
Resetting Alarms	To reset alarms, enter User Code + 1 (OFF) a second time. This will clear alarms from memory.
Silencing Troubles and Supervisory Conditions	To Silence Troubles or Supervisory Conditions, enter User Code +1 (OFF). The corresponding LED on the 6160CR-2 keypad will light.
Resetting Troubles and Supervisory Conditions	Troubles and supervisory conditions automatically reset when the condition is cleared if programmed by your installer. Otherwise reset the condition by entering Code + 1 (OFF).

Quick Guide to Burglary System Functions

FUNCTION	PROCEDURE	COMMENTS
Check Zones	Press [*].	To view faulted zones when is system not ready
Display All Descriptors	Press and hold [*] for 5 seconds.	Displays all alpha descriptors programmed by installer.
Arm System	Enter code. Press arming key desired (AWAY, STAY, INSTANT, MAXIMUM).	Arms system in mode selected. NOTE: After pressing the STAY or INSTANT arming key, enter 1, 2 or 3 to arm in the desired STAY or INSTANT mode.
Disarm System	Enter code. Press OFF [1].	Disarms system and silences alarms.
Bypass Zones	Enter code. Press BYPASS [6]. Enter zone numbers to be bypassed (use 3-digit entries). Press [*] + [*].	Bypassed zones are unprotected and will not cause an alarm if violated.
Quick Bypass	Enter code. Press BYPASS [6]. Press [#].	Bypasses all faulted zones automatically.
Group Bypass	Enter code. Press BYPASS [6]. Press [*]. Enter Group Number (01-15)	Bypasses all zones assigned to the group.
Chime Mode	Enter code. Press CHIME [9].	Keypad will sound if doors or windows are violated while system disarmed.
Test Mode	Enter code. Press TEST [5]	Activates alarm sounder and allows sensors to be tested.
View Messages	Press and hold [0] for at least 5 seconds.	Message from central station will appear.
View User Capabilities	Enter user's code. Press [*] + [*].	Displays partitions and authority levels assigned to the user.
GOTO Partition	Enter security code. Press [*]. Enter partition number (1-8). 0 returns to default partition.	Allows a user at one keypad to perform functions in another partition, if that user is authorized to do so.
Self-Help	Press and hold any function key for at least 5 seconds.	Will display abbreviated instructions for the key pressed.
Add a User	Enter master/manager code. Press CODE [8]. Enter new user's user number. Enter code for that user. Enter authority for that user in this partition (1-5). Follow prompts, 1=Yes, 0=No.	Master and Manager level users can add users to the system, each with its own code and authority level.
Change a User's Code	Enter master/manager code. Press CODE [8]. Enter user's 3-digit number. Enter new code for that user. Press 0 (No) at prompt.	Master and Manager level users can change their own or other users' codes.

Quick Guide to Burglary System Functions (cont'd)

FUNCTION	PROCEDURE	COMMENTS
Delete a User	Enter master/manager code. Press CODE [8]. Enter user no. to be deleted. Enter master/manager code. Press 1 (Yes) at prompt.	Master and Manager level users can delete users. A user can only be deleted by a user with higher authority level.
Control Output Device	Enter security code. Press [#] Enter 71 or 72.	Activate output device as programmed.
	Enter security code. Press [#] Enter 70.	Activate output device manually
	Enter security code. Press [#] Enter 77.	Activate output device or system event instantly
Randomize Output Device	Enter security code. Press [#] Enter 41	Randomize output devices set for random schedules
	Enter security code. Press [#] Enter 42.	Randomize output devices set for random schedules with activation times between 6 PM and 5 AM
	Enter the sequence used to activate randomization.	De-activate randomization

Summary of Audible Notification (Alpha Display Keypads)

SOUND	CAUSE	DISPLAY
LOUD, INTERRUPTED* Keypad & External	FIRE ALARM	FIRE is displayed; descriptor of zone in alarm is displayed.
LOUD, CONTINUOUS* Keypad & External	BURGLARY/AUDIBLE EMERGENCY ALARM	ALARM is displayed; descriptor of zone in alarm is also displayed.
ONE SHORT BEEP (not repeated) Keypad only	a. SYSTEM DISARM b. SYSTEM ARMING ATTEMPT WITH AN OPEN ZONE. c. BYPASS VERIFY	a. DISARMED/READY TO ARM is displayed. b. The number and descriptor of the open protection zone is displayed. c. Numbers and descriptors of the bypassed protection zones are displayed (One beep is heard for each zone displayed). Subsequently, the following is displayed: DISARMED BYPASS Ready to Arm
ONE SHORT BEEP (once every 15 sec.) Keypad only	SYSTEM IS IN TEST MODE	Opened Zone identifications will appear.
TWO SHORT BEEPS (once every 5 sec.) Keypad only	SYSTEM IS ABOUT TO AUTOMATICALLY EXIT TEST MODE	Opened Zone identifications will appear.
ONE BEEP (every 60 sec.) Keypad only	LOW BATTERY AT A TRANSMITTER	LO BAT displayed with description of transmitter.
TWO SHORT BEEPS Keypad only	ARM AWAY OR MAXIMUM	ARMED AWAY or ARMED MAXIMUM is displayed. Red ARMED indicator is lit.
THREE SHORT BEEPS Keypad only	a. ARM STAY OR INSTANT b. ZONE OPENED WHILE SYSTEM IS IN CHIME MODE. c. ENTRY WARNING**	a. ARMED STAY ZONE BYPASSED or ARMED INSTANT ZONE BYPASSED is displayed. Red ARMED indicator is lit. b. CHIME displayed, descriptor of open protection zone will be displayed if the [*] key is pressed. c. DISARM SYSTEM OR ALARM WILL OCCUR is displayed.
RAPID BEEPING Keypad only	a. TROUBLE b. AC POWER LOSS ALERT*** c. MEMORY OF ALARM	a. CHECK displayed. Descriptor of troubled protection zone is displayed. b. AC LOSS displayed (may alternate with other displays that may be present). c. FIRE or ALARM is displayed; descriptor of zone in alarm is displayed.
SLOW BEEPING Keypad only	a. ENTRY DELAY WARNING** b. EXIT DELAY WARNING (if programmed)	a. DISARM SYSTEM OR ALARM WILL OCCUR is displayed. Exceeding the delay time without disarming causes alarm. b. ARMED AWAY or ARMED MAXIMUM is displayed along with You May Exit Now

* If bell is used as Notification Appliance, fire alarm is pulsed ring; burglary/audible emergency is steady ring.

** Entry warning may consist of three short beeps or slow continuous beeping, as programmed by your installer.

*** Loss of system battery power is not indicated or annunciated by the keypad (warnings are for loss of AC power only).