Section 8
System Operation

Operation of the control panel is simple. Menus guide you step-by-step through operations. This section of the manual is an overview of the operation menus. Please read this entire section carefully before operating the panel.

Press ENTER to view Main Menu: Select the desired menu option. Enter your access code if prompted.

Note: See Section 7.9 for information on how to modify user access code profiles.

8.1 User and Installer Default Codes

User Code (factory-programmed as 1111).

Installer Code (factory-programmed as 5820).

8.2 Annunciator Description

Figure 8-1shows the annunciator that is part of the control panel board assembly.

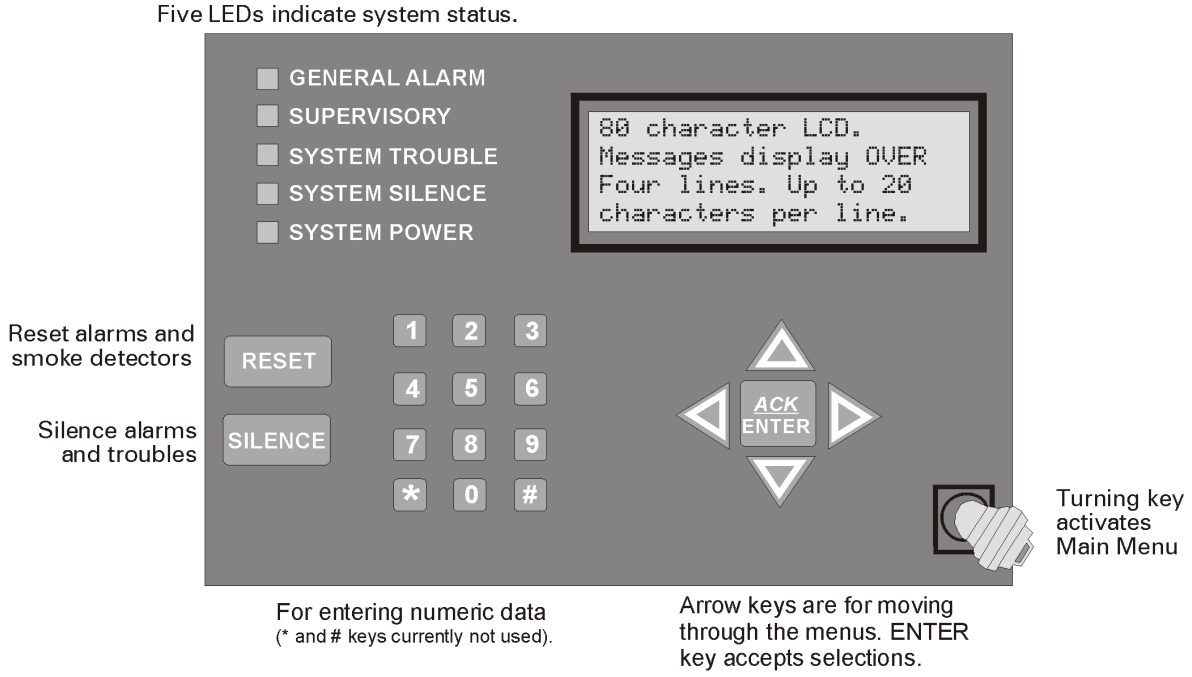

Figure 8-1 Control Panel Annunciator

8.2.1 LCD Displays

The control panel LCD displays system messages, annunciates alarms, supervisories and troubles; provides status information; and prompts for input. These messages can be up to 80 characters, displaying over four lines of 20 characters each. Annunciator keys beep when they are pressed.

8.2.2 Banner

The banner is the message that displays on the control panel when the system is in normal mode (no alarm or trouble condition exists and menus are not in use). You can create a customized message that will display instead of the internal (default) message. See Section 7.6.7 for information on customizing the banner.

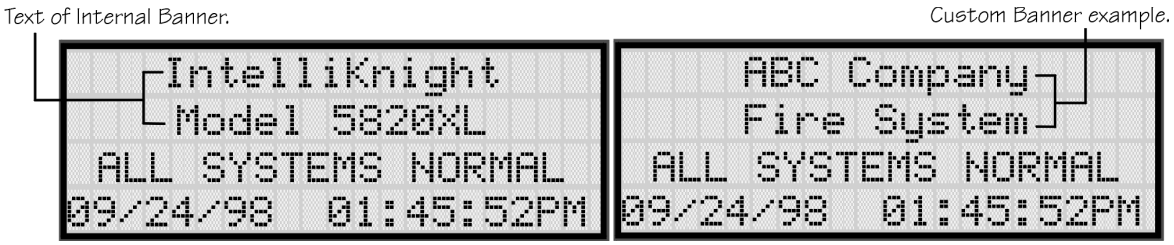

Figure 8-2 Banner Display Examples

8.3 Key Operation

The key on the control panel board assembly is for accessing the Main Menu. The key is activated when it is turned once to the right (clockwise). If the key has been used to activate the menu, it must be turned counter-clockwise to exit the menu.

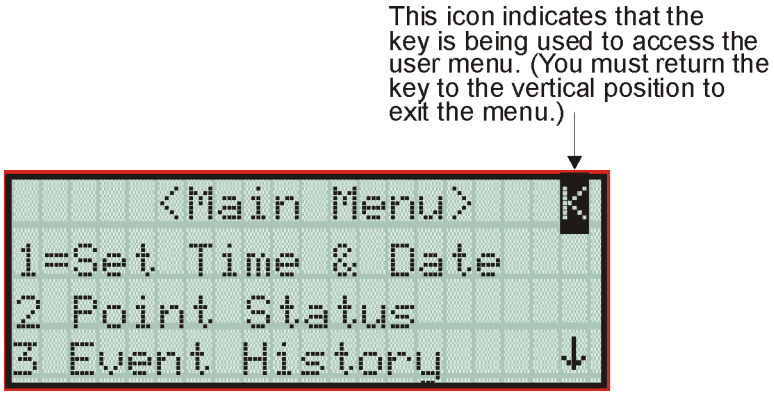

Figure 8-3 Using a Key to Access the Main Menu

8.4 Menu System

The control panel is easy to operate from Main Menu. To view the Main Menu press the ENTER or ▷ button on the control panel or remote annunciator, then turn the firefighter's key clockwise or enter your access code. The Main Menu will appear as shown in Section 8.4.1. Select the desired option. If you have entered a code or firefighter's key does not have access to the menu item you have selected the following display message will appear:

```
   -Access denied.-
Entered PIN does not
allow access to this
function.
```

You must enter an access code with the correct profile settings to gain access to that menu item.

The control panel supports up to 20 access codes. The profile for each access code (or user) can be modified through the programming menu option (see Section 7.9 for access code programming).

8.4.1 Main Menu Overview

The chart below is a brief overview of the Main Menu. These options are described in greater detail throughout this section of the manual.

Main Menu Options	Description
1 System Tests	From here both menus can access Fire Drill and Indicator Test.
2 Point Functions	From here both menus can enable / disable points.
3 Event History	Display event history on the LCD. See Section 8.5.4 for more information.
4 Set Time and Date	Set time and date for the system.
5 Printer Options	Options for controlling a printer if attached to the system. If a printer is used, the Model 5824 serial/parallel interface module must be used.
6 Reset Dialer	Cancel any attempt to call the central station. Any calls awaiting additional attempts will be aborted.
7 Program Menu	Brings up a set of menus for programming the panel, including changing access codes. These options are described in detail in Section 7.
8 System Info	View system information, including model and serial numbers and revision number and date.
9 Up/Download	Initiate communication from the panel site between the panel and a computer running the Silent Knight Software Suite.

8.4.2 Using the Menus

To move through the menus:	Use ▽ and △ to move through the options in a menu. Use to move to a previous menu.
To select an option:	Enter the number of the option. –OR– Press [ENTER] (Enter key) if the option appears at the top of the menu (= symbol displays after the option number in this case).

8.5 Basic Operation

8.5.1 Setting Time and Date

1. From the Main Menu, select [4] for Set Date and Time.
2. Make changes in the fields on the screen. Use ▷ (right arrow) to move through the fields. Use the ▽ and △ to select options in the fields.
3. When the date and time are correct, press [ENTER].

8.5.2 Disable / Enable a Point

1. From the Main Menu, select [2] for Point Functions.
2. Select [1] for Disable/Enable Point. A list of modules displays.
3. Use ▽ and △ to move through the list. Press [ENTER] to select the module where the point you want to disable/enable is located. A description of the point should display. The fourth line of the screen should show "NORMAL" (meaning that the point is currently enabled) or "DISABLED" (the point is currently disabled). Press to toggle between NORMAL and DISABLE.

8.5.3 Disable / Enable NACs by Group

1. From the Main Menu, select [2] for point functions.
2. Select [1] to Disable NACs by group or [2] to Enable NACs by group.
3. Use ▽ and △ to move through the list of groups. Press [ENTER] to select the group highlighted.

8.5.4 View Event History

Use the View Event History feature to display events on LCD. From the Main Menu, press 3 to select Event History. Events will begin displaying with most recent events first.

The panel can store up to 1000 events. When it reaches its 1000-event capacity, it begins deleting, starting with the oldest events.

If a printer is attached to the system (via a Module 5824 serial/parallel interface module), you can print event history (see Section 8.5.17).

The 5660 SKSS or 5670 SKSS can be used to retain more than 1000 events and to create event history reports.

8.5.4.1 To clear the event history

From the Installer menu select 1 for System Tests. From the test menu select 6 Clear History Buffer.

8.5.5 Conduct a Fire Drill

1. From the Main Menu, press 1 for System Tests.
2. Press 1 for Fire Drill. You will be prompted to press ENTER.
3. The drill will begin immediately after you press ENTER.
4. Press any key to end the drill. (If you do not press any key to end the fire drill manually, it will time out automatically after one hour.)

If a fire drill switch has been installed, activating the switch will begin the drill; deactivating the switch will end the drill.

8.5.6 Conduct an Indicator Test

The indicator test checks the annunciator LEDs, PZT, and LCD display.

1. From the Main Menu, press 1 for System Tests.
2. Press 2 for Indicator Test. The system turns on each LED several times, beeping the PZT as it does so. At the same time it scrolls each available character across the LCD. A problem is indicated if any of the following occurs:

- An LED does not turn on;
- You do not hear a beep;
- All four lines of the LCD are not full.

This test takes approximately 15 seconds to complete. You can press any key to end manually while the test is still in progress. When the test ends, you will be returned to the <Test Menu>.

8.5.7 Conduct a Walk Test

1. From the Main Menu, press 1 for System Tests.

> If any alarm verification zones are being used, the user will be asked if they wish to disable alarm verification during walk test. This occurs for either walk test option.

2. Select 3 for Walk Test-No Rpt. The LCD will display "WALK TEST STOPPED" on Line 1 and "ENTER = start test" on Line 2. If you select this option, central station reporting will be disabled while the test is in progress.

   Or

   Select 4 for Walk Test-with Rpt. The LCD will display "WALK TEST STOPPED" on Line 1 and "ENTER = start test" on Line 2. If you select this option, central station reporting will occur as normal during the walk test.

   The panel generates a TEST report to the central station when the walk test begins. During a walk test, the panel's normal fire alarm function is completely disabled, placing the panel in a local trouble condition. All zones respond as 1-Count zones (respond when a single detector is in alarm) during a walk test. Each alarm initiated during the walk test will be reported and stored in the event history buffer.

3. Press ENTER to end the walk test. The system will reset. The panel will send a "TEST RESTORE" report to the central station.

If you do not end the walk test manually within four hours, it will end automatically.

If an alarm or pre-alarm condition is occurring in the system, you will not be able to enter the walk test.

Note: the panel does not do a full 30 second reset on resettable power outputs. As soon as the device is back to normal, the panel is ready to go to the next device.

8.5.8 Conduct a Dialer Test

1. From the Main Menu, press 1 for System Tests.
2. Select 5 for Dialer Test. The screen will display "Manual dialer test started". When the test is completed, you will be returned to the <Test Menu>.

8.5.9 Silence alarms or troubles

Press SILENCE and enter your code or rotate the key at the prompt. If an external silence switch has been installed, activating the switch will silence alarms or troubles. If you are already using system menus when you press SILENCE, you will not need to enter your code or rotate the key.

Note: Alarm and trouble signals that have been silenced but the detector remains un-restored will un-silence every 24 hours until it is restored.

8.5.10 Reset alarms

Press RESET and enter your code or rotate the key at the prompt. If an external reset switch has been installed, activating the switch will reset alarms. If you are already using system menus when you press RESET, you will not need to enter your code or rotate the key.

8.5.11 Check Detector Through Point Status

The control panel constantly monitors smoke detectors to ensure that sensitivity levels are in compliance with NFPA 72.

If sensitivity for a detector is not in compliance, the panel goes into trouble, generating a CAL TRBLE condition. A detector enters a CAL MAINT state to indicate that it is approaching an out of compliance condition (but is currently still in compliance).

When a CAL TRBLE condition occurs, the central station receives a detector trouble report ("373" + Zone # for Contact ID format; "FT" + Zone # in SIA format).

To check sensitivity for an individual detector, follow the steps below. Section 8.5.17 provides instructions for printing the status of all detectors in the system.

1. From the Main Menu, press 2 for Point Functions.
2. Press 2 for Point Status.
3. Select the module where the point you want to check is located.
4. Enter the number of the point you want to check and press ENTER.

5. A screen similar to those shown in Figure 8-4 will display.

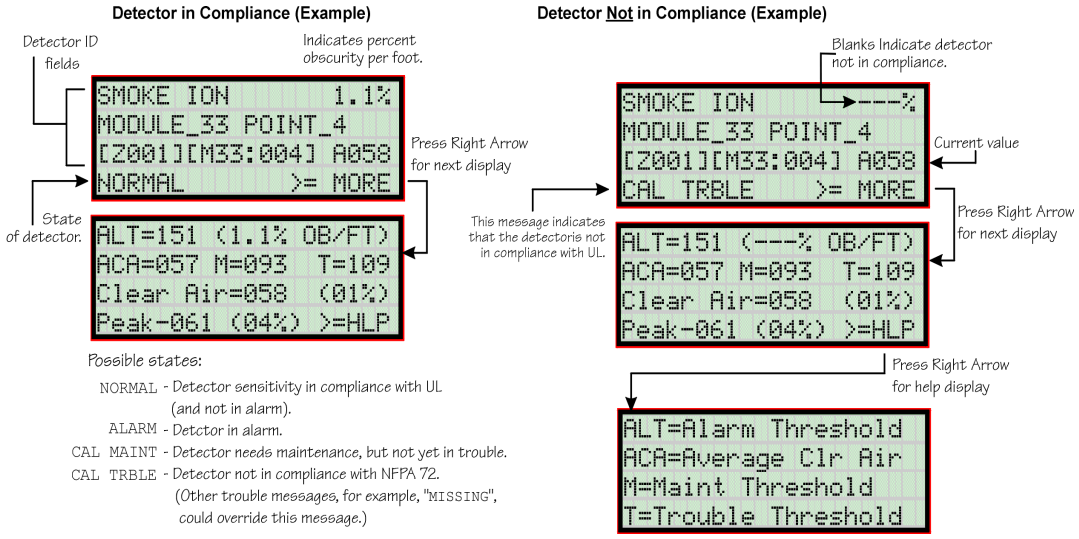

Figure 8-4 Checking Detector Sensitivity Compliance

If a printer is attached to the system (via a Module 5824 serial/parallel interface module), you can print detector status (see Section 8.5.17).

8.5.12 View Status of a Point

1. From the Main Menu, select 2 for Point Status.
2. From the list that displays, press ENTER to select the module where this point is located. The screen that displays will show you if the point has a trouble and will provide sensitivity compliance information. (See Section 8.5.11 for complete information about detector sensitivity compliance.)

8.5.13 View Alarms or Troubles

When the system is in alarm or trouble, you can press ▽ to view the location of an alarm or trouble. See Section 8.5.13 for more information.

8.5.14 View System Information

Press 8 from the Main Menu to view the panel model and serial number and system version number and date. The information displays for several seconds then returns to the main menu.

8.5.15 Reset dialer

From the Main Menu, select 6. The LCD will display “Dialer reset in progress...” You will be returned to the Main Menu when the reset is completed.