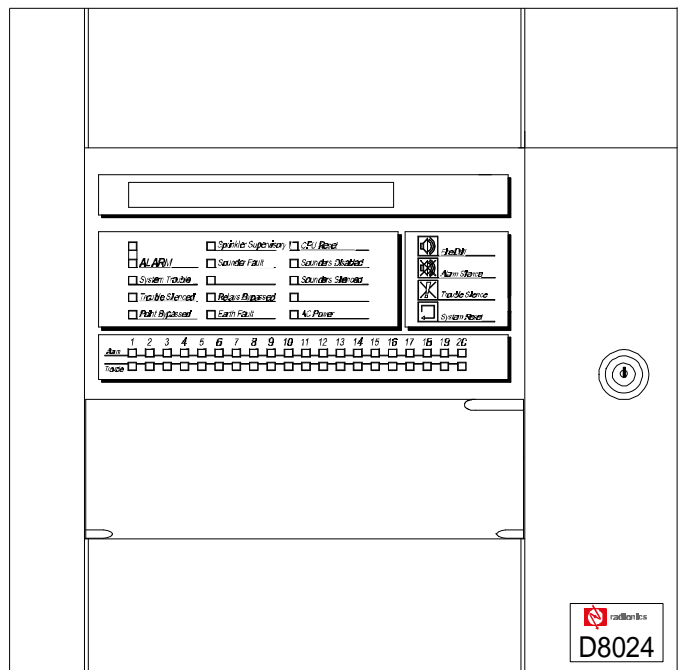
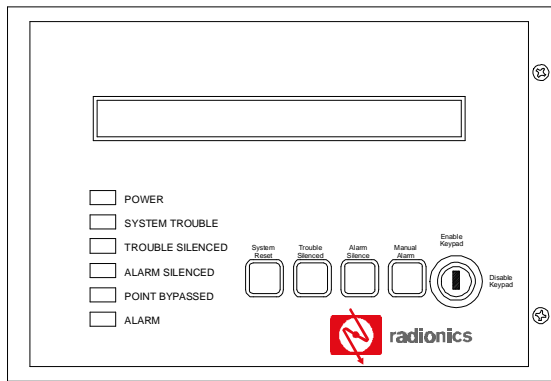


Operator's Guide



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Contents

1.0	Notices	5
1.1	General Notices	5
1.2	FCC Notice	5
1.2.1	Part 15	5
1.3	UL/NFPA Notice	5
2.0	Overview	7
2.1	System Overview	7
2.2	Control Level Distinction	8
2.3	Passcodes	8
2.4	Controls and Displays	8
3.0	Control Level 1 (Display Functions)	11
3.1	Power Conditions	11
3.2	Trouble Conditions	11
3.3	Alarm Conditions	11
4.0	Control Level 2 (Controller Functions)	13
4.1	Power Conditions	13
4.1.1	Power Failure Signal	13
4.1.2	Power Failure Signal Response	13
4.2	Trouble Conditions	14
4.2.1	Trouble Signals	14
4.2.2	Trouble Signal Response	14
4.3	Alarm Conditions	14
4.3.1	Alarm Signals	14
4.3.2	Alarm Signal Response	15
4.4	System Operation (Main Menu Options)	15
4.4.1	System Tests	15
4.4.1.1	LEDs Test	15
4.4.1.2	LCD Test	15
4.4.1.3	Zones Test	16
4.4.2	Time Setting	17
4.4.3	Enable/Disable Functions	17
4.4.3.1	Enable/Disable by Zone	17
4.4.3.2	Enable/Disable Individual Detection Devices (Inputs)	17
4.4.3.3	Enable/Disable Panel Keys	17
4.4.3.4	Enable/Disable Delayed Day Mode	18
4.4.3.5	Enable/Disable Relays	18
4.4.4	View Functions	19
4.4.4.1	View Devices	19
4.4.4.2	View Event Log	19
4.4.4.3	View Faults	19
4.4.4.4	View Outputs	19
4.4.4.5	View Disablements	19
4.4.4.6	View System Events	19
5.0	Control Level 3 (Programmer Functions)	21
5.1	Enable/Disable Sounders (NAC Devices)	21
Index	23

Figures and Tables

Figures

Figure 1: D8024 Fire Alarm Control Panel	7
Figure 2: D8024 Front Panel Display, Hinged Panel Open	9
Figure 3: System Event and Status LED Display	9
Figure 4: Control Level 2, Entry Menu 1	13
Figure 5: Control Level 2, Entry Menu 2	13
Figure 6: Main Menu	13
Figure 7: Enable Menu	13
Figure 8: Control Level 2 Controls	14
Figure 9: Main Menu	15
Figure 10: Test Menu	15
Figure 11: Zone Test Menu 1	16
Figure 12: Zone Test Menu 2	16
Figure 13: Zone Test Menu 3	16
Figure 14: Zone Test Menu 4	16
Figure 15: Enable/Disable Menus	17
Figure 16: Main Menu	17
Figure 17: Outputs Menu	18
Figure 18: Main Menu	18
Figure 19: View Menu	19
Figure 20: Outputs Submenu	21

Tables

Table 1: Control Key Functions	8
Table 2: Alphanumeric and Program/Interactive Key Functions	9
Table 3: System Event and Status LEDs	10

1.0 Notices

1.1 General Notices



These instructions contain procedures to follow in order to avoid personal injury and/or damage to the equipment.



NFPA 72 requires a complete system-wide functional test be performed following any modifications, repair, upgrades or adjustments made to the system's components, hardware, wiring, programming and software/firmware.

The material and instructions covered in this operator's guide have been carefully checked for accuracy and are presumed to be reliable. However, the manufacturer assumes no responsibility for inaccuracies and reserves the right to modify and revise this installation guide without notice.

This manual covers the operation of the D8024 Analog Fire Alarm Control Panel (FACP). See the *D8024 Installation Guide* (P/N: 35394) for instructions on the installation of the D8024.

1.2 FCC Notice

1.2.1 Part 15

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation. This equipment generates, uses and can radiate radio frequency energy, and, if not installed 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 on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

- 1) Reorient or relocate the receiving antenna.
- 2) Increase the separation between the equipment and the receiver.
- 3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4) Consult the dealer or an experienced radio/TV technician for help.

1.3 UL/NFPA Notice

Radionics' D8024 Analog Fire Alarm Control Panel is UL Listed for NFPA 72, Central Station and Remote Station.

All references to NFPA and related requirements are based upon compliance with the 1993 edition of NFPA 72, National Fire Alarm Code. Since installation specifications are nearly always based upon a specific edition of a standard which has been legally adopted by the Authority Having Jurisdiction (AHJ), earlier editions of NFPA standards will generally apply. Consult with the appropriate AHJ for confirmation.

Notes:

2.0 Overview

2.1 System Overview

Radionics' D8024 Analog Fire Alarm Control Panel (FACP) is an expandable control panel that provides point identification through addressable analog devices. The D8024 has two expansion slots to accommodate plug-in polling circuit modules. Each of these polling circuit modules can support up to 126 analog addresses, giving the panel a potential of 252 addressable points. Flexibility in system design allows the option of grouping device points together and identifying them as one location, or zone, in order to simplify system operation.

The D8024 includes the following features:

- Analog design using advanced communications protocol
- 80 character display
- Custom text annunciation
- Up to 252 addresses supported in a stand-alone system
- Can be networked with Radionics' D9024 and D10024 Analog FACP's as well as other D8024 FACP's
- 24 VDC, 2.5 A power supply and battery charger
- Programmable sensitivity levels by device
- Programmable "day/night" sensitivity levels
- PC programmable
- Service mode polling
- Fire test mode
- Event activity logger (up to 500 events)
- Suitable for ADA applications
- Meets NFPA National Fire Code standards

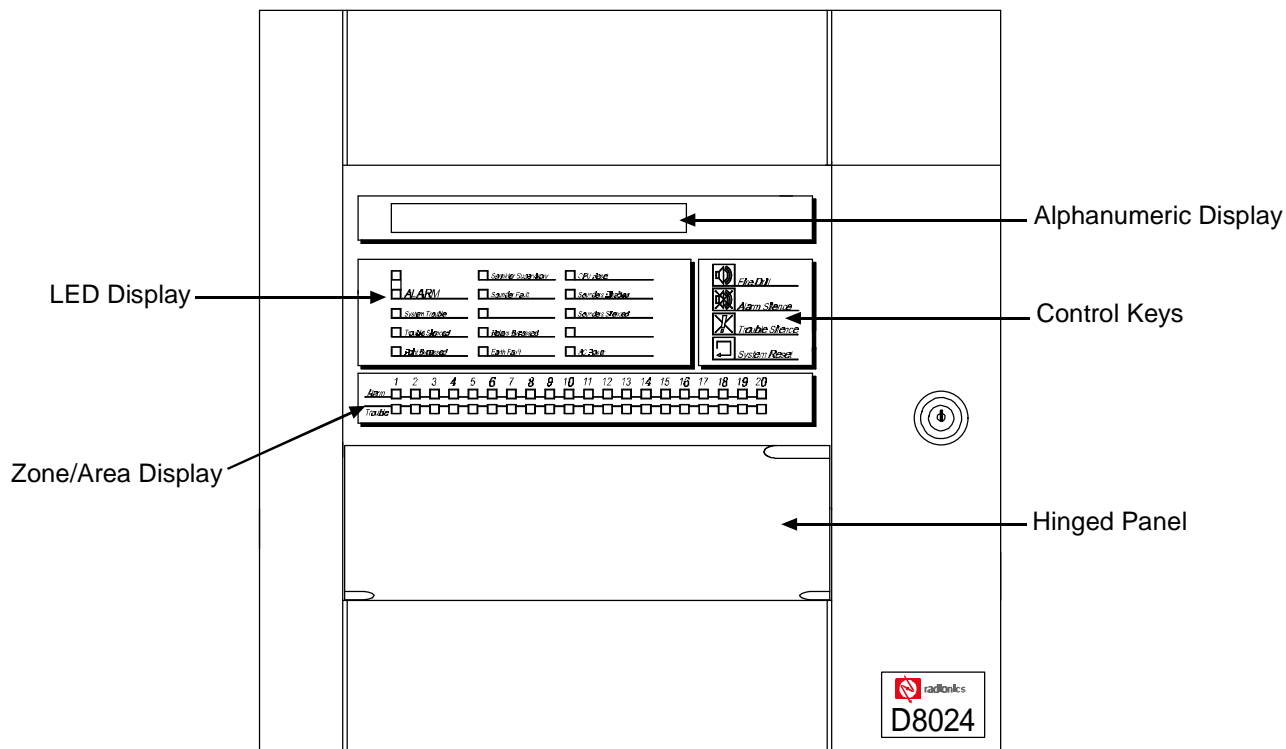


Figure 1: D8024 Fire Alarm Control Panel

Overview

2.2 Control Level Distinction

The D8024 has three available control levels. At all three levels, the LED display indicates condition; the Zone/Area LEDs indicate location and identified alarm/trouble information is displayed alphanumerically.

- **Control Level 1 (Display Level):** Inhibits the system control keys, limiting the front panel function to annunciation.
- **Control Level 2 (Controller Level):** Allows system control for Fire Drill, Alarm Silence, Trouble Silence and System Reset. This level also allows Test and Enable/Disable operations, but does not allow access to configuration or programming functions. At Control Level 2, the alphanumeric display becomes interactive and prompts for system checks, log functions and key status. Control Level 2 is reached by entering a passcode from Control Level 1.
- **Control Level 3 (Programmer's Level):** Allows full system configuration information and is used to program the system or modify the program. Control Level 3 is reached by passcode from Control Levels 1 or 2. See the *Analog Fire Alarm Control Panels Programming Guide* (P/N: 38789) for more information on Control Level 3.

2.3 Passcodes

Ten passcodes are available for D8024 Controllers. Passcodes are programmable. The Control Level 2 passcode is assigned or changed from Control Level 3, but will not allow access to Control Level 3. See the *Analog Fire Alarm Control Panels Programming Guide* (P/N: 38789) for more information on programming and assigning passcodes from Control Level 3.



The default Control Level 2 passcode is 1234. Be sure to change the Control Level 2 passcode in order to provide a higher level of panel security. See Section 7.4 in the Analog Fire Alarm Control Panels Programming Guide (P/N: 38789) to modify the Control Level 2 passcode.

2.4 Controls and Displays

The D8024 FACP has two rows of control keys. The vertical row of Control Keys contains the four System Control Keys for Fire Drill, Alarm Silence, Trouble Silence and System Reset. Opening the hinged panel below the Zone/Area Display provides access to the alphanumeric keys and the three program/interactive keys.

Key Label	Function
Fire Drill	Turns on all NAC devices.
Alarm Silence	Press to silence all NAC devices. Press again to activate all NAC devices.
Trouble Silence	Acknowledges events and silences the internal buzzer.
System Reset	Cancels all alarm conditions and resets the panel.

Table 1: Control Key Functions

Overview

The alphanumeric keys normally function as number keys. They can be toggled to letter keys by pressing the **[Change]** key at the right end of the alphanumeric key row. The **[Shift]** key at the left end of the alphanumeric keys toggles between the upper and lower row of letters. Hold the **[Shift]** key while entering another key to enter the bottom letter.

Key Label	Function
Shift	Shows user options on the alphanumeric display Used in programming to allow letter N to Z.
0, 1, 2, 3, 4, 5, 6, 7, 8, 9	Number keys for digits 0 to 9.
> <	Scrolls through fires/faulsts on the alphanumeric display.
Change	Changes a display option.
Enter	Enters the selection.
No	Press to answer No or terminate an option.
Yes	Press to answer Yes or step through an option.

Table 2: Alphanumeric and Program/Interactive Key Functions

The upper display, the alphanumeric display, is an illuminated two-line, 80-character LED display that gives detailed information on system events and status, and displays interactive prompts.

The middle display, the LED display, indicates the type of system event and status. See Figure 3 and Table 3 for more LED information.

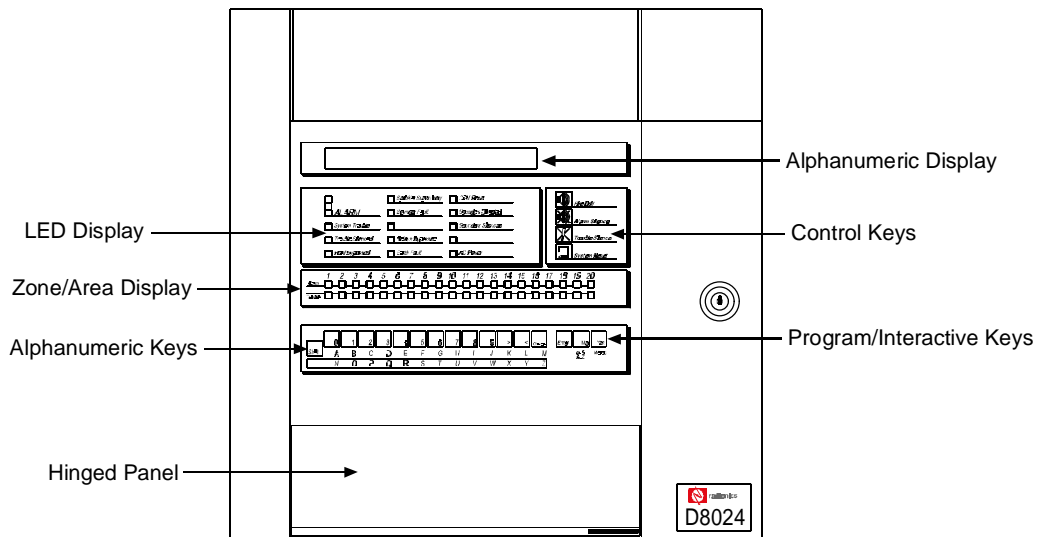


Figure 2: D8024 Front Panel Display, Hinged Panel Open

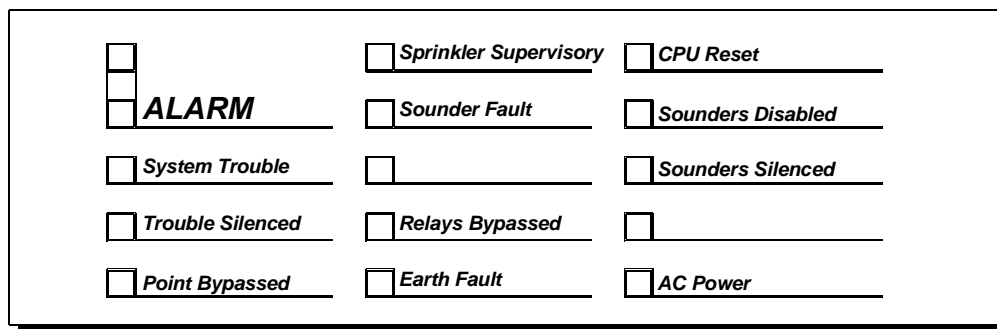


Figure 3: System Event and Status LED Display

Overview

System Event and Status LED	Function
Alarm	An input point is in alarm state, or has latched into an alarm state. This clears when the system is reset.
System Trouble	There is a fault in the system: SLC wiring, power fault, etc. This clears when the fault has been corrected and the panel has been reset.
Trouble Silenced	The annunciation of a fault condition has been manually silenced by an operator. This clears when the fault condition has been corrected and the Reset key has been pressed, or another fault occurs.
Sounders Silenced	The annunciation of a sounder (NAC device such as a horn, strobe or bell) has been manually silenced by an operator. This clears when another condition occurs that activates a sounder, or the Reset key has been pressed.
Sounders Disabled	The operation of a sounder (NAC device such as a horn, strobe or bell) has been manually disabled.
Point Bypassed	One or more inputs have been disabled manually by an operator. This clears when the point(s) are returned to service.
Relay Bypassed	One or more relays have been disabled manually by an operator. This clears when the relay(s) are returned to service.
Earth Fault	The system has a short circuit to a foreign ground, such as an SLC conductor shorted to a heating duct. This clears when the fault has been corrected and the panel has been reset.
Sounder Fault	This indicates a wiring fault with a NAC device. It clears when the fault has been corrected and the panel has been reset.
Sprinkler Supervisory	This indicates a special type of alarm, usually indicating an unsafe condition with a fire suppression system. It clears when the system has been reset.
CPU Reset	The system has detected an improper operation of the CPU, and has restarted it automatically. It clears when the system is reset by the operator.
Alarm Silenced	Notification circuits have been manually turned off by an operator, but the system is still in an alarm state. This clears when the system is reset.
AC Power	Indicates that acceptable AC line power is present.

Table 3: System Event and Status LEDs

3.0 Control Level 1 (Display Functions)

At Control Level 1, the control keys are disabled and the control panel functions only as an annunciator. Pressing any of the control keys will result in a series of interactive messages on the alphanumeric display that end in a prompt for a Control Level 2 passcode.

The following subsections explain the options of Control Level 1.

3.1 Power Conditions

When the system is being powered by 120 VAC, the green AC Power LED in the lower right of the LED display will be lit. The normal alphanumeric display will alternate between a time and date message and a system status message.

If the 120 VAC power source is interrupted, the AC Power LED will flash, the panel buzzer will sound and the System Trouble and Earth Fault LEDs will light. The alphanumeric display will no longer be lit, but the display will show an "AC Fail" message and provide information about the failure, the status of the standby batteries and the telephone number for service. Pressing the **[Trouble Silence]** key will silence the panel buzzer.

3.2 Trouble Conditions

If a device fails to respond, is disabled, the response is not within the normal parameters, or the system detects a fault, the amber System Trouble or Fault LEDs will light. The amber Trouble LED in the Zone/Area section of the panel will light to indicate the location, the panel's buzzer will sound and the alphanumeric display will provide detailed information. If more than one fault is present, the display will automatically scroll through the first four faults.

3.3 Alarm Conditions

The two red alarm LEDs at the left of the display flash to indicate the system has detected a fire condition. The Zone/Area alarm LED(s) lights, indicating the alarm location(s) and the alphanumeric display provides detailed information. If more than one fire is present, the display will automatically scroll through the first four alarms.

Notes:

4.0 Control Level 2 (Controller Functions)

At Control Level 2, the control panel functions as a Controller (see Section 2.2 “Control Level Distinction”). To enable the control keys (to enter Control Level 2), open the hinged panel and press the **[Shift]** key. The alphanumeric display shows the following prompt:

```
[Panel ACTIVE control keys INHIBITED] [1]
Do you want to enable the control keys?
```

Figure 4: Control Level 2, Entry Menu 1

Press the **[Yes]** key to enable the control keys.

The display shows Control Level 2, Entry Menu 2.

```
[Panel ACTIVE control keys INHIBITED] [1]
Please enter password
```

Figure 5: Control Level 2, Entry Menu 2

Enter the four digit Control Level 2 passcode.

The display shows the Main Menu.

```
[ACTIVE] 1) Commission 2) Test 3) Time [1]
4) Enable 5) Disable 6) Print 7) View
```

Figure 6: Main Menu

The D8024 has ten Control Level 2 passcodes available that are assigned from Control Level 3 (Programmer's Level). Press the **[4]** key on the alphanumeric key row. The display shows the Enable Menu.

```
ENABLE: 1) Zone 2) Input 3) Keys
4) Day Mode 5) Outputs
```

Figure 7: Enable Menu

Press the **[3]** key on the alphanumeric row. The display returns to the Main Menu (see Figure 6). The control keys are now enabled for the amount of time programmed into the panel. At the end of the programmed time period, the panel will automatically inhibit the control keys.

The following subsections describe specific conditions that may arise while the D8024 is operating, and explain how to interface with the panel to resolve these conditions.

4.1 Power Conditions

The D8024 supervises its AC power supply and standby batteries.

4.1.1 Power Failure Signal

If the 120 VAC power source is interrupted, the AC Power LED will flash, the panel buzzer will sound and the amber System Trouble and Earth Fault LEDs will light. The alphanumeric display will no longer be lit, but it will show an “AC Fail” message and provide information about the failure and the status of the standby batteries. If the standby batteries fail, the AC Power LED will go out.

4.1.2 Power Failure Signal Response

To silence the panel buzzer, enter Control Level 2 by pressing the **[Shift]** key, enable the control keys and press the **[Trouble Silence]** key. The amber Trouble Silence LED will light.

When the 120 VAC power is restored, the green AC Power LED will stop flashing, but will remain lit, and the System Trouble and Earth Fault LEDs will go out. The amber CPU Reset LED lights while the system resets itself and goes out when the reset is complete. The alphanumeric display returns to normal.

Control Level 2

4.2 Trouble Conditions

The system responds to other-than-normal conditions that are not caused by alarms by sounding the internal buzzer and initiating a Trouble Condition.

4.2.1 Trouble Signals

If a device fails to respond, is disabled, the response is not within the normal parameters, or the system detects a fault, the amber System Trouble or Fault LED will light. In addition, the amber Trouble LED in the Zone/Area section of the panel will light to indicate the location, the panel's internal buzzer will sound and the alphanumeric display will provide detailed information.

4.2.2 Trouble Signal Response

To acknowledge a trouble signal, enter Control Level Two by pressing the **[Shift]** key, enable the control keys and press the **[Trouble Silence]** key to mute the internal buzzer (under certain circumstances, the system may override the mute). The amber Trouble Silenced LED will light to indicate that condition. The system will not allow a reset until the problem is corrected. If necessary, the system allows disabling of individual devices and zones (see Section 4.5.3 "Enable/Disable Functions"). After correcting the problem, press the **[System Reset]** key. The amber Trouble Silenced LED will go out and the alphanumeric display will return to normal.

4.3 Alarm Conditions

The D8024 will signal an alarm if it detects an alarm condition or a fire drill test.

4.3.1 Alarm Signals

If the D8024 initiates an alarm condition, the red Alarm LEDs at the left of the LED display flash to indicate the system has detected a fire condition and has activated its Notification Appliance Circuit (NAC) devices (horns, strobes, etc.), the internal buzzer sounds, Zone/Area Alarm LED(s) light indicating the event location and the alphanumeric display provides detailed information.

To test the alarm system, enter Control Level 2 by pressing the **[Shift]** key, enable the control keys and press the **[Fire Drill]** key. The panel will activate all system NAC devices. The red Alarm LEDs at the left of the LED display will flash and the internal buzzer will sound. The alphanumeric display will show a "Fire Test" message.

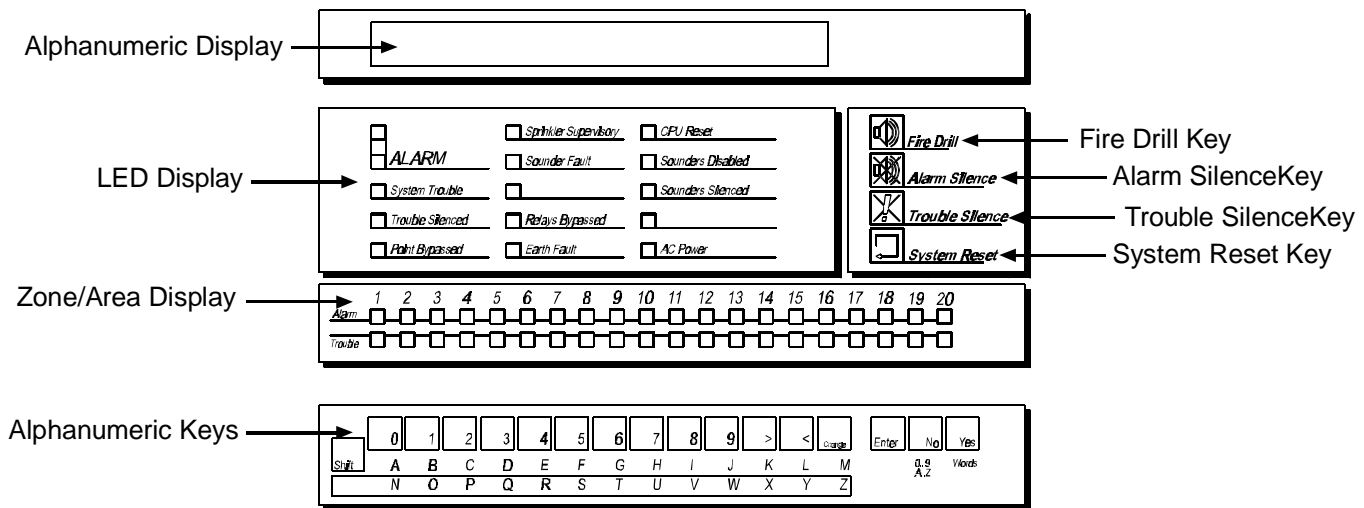


Figure 8: Control Level 2 Controls

4.3.2 Alarm Signal Response

Press the **[Alarm Silence]** key to turn off all external NAC devices. The Alarm Silenced LED will light. Pressing the **[Alarm Silence]** key again turns on all external NAC devices.

Press the **[Trouble Silence]** key to turn the panel buzzer off. The amber Trouble Silenced LED will light.

Press the **[System Reset]** key to reset the system. The Alarm and Trouble Silenced LEDs will go out and the alphanumeric display will return to normal.

Note: *The D8024 can be reset at any time, however if a device is still in alarm when the D8024 is reset, the D8024 will go back into an alarm condition.*

To return the system to Control Level 1, press the **[Shift]** key and select 5) Disable from the alphanumeric display. Then select 3) Keys from the display. The panel will briefly display the Control Level 2 Entry Menu 2 and then revert to the normal display (alternating between a time and date display and a system status message). Press the **[Fire Drill]** key to verify that the keys are disabled.

4.4 System Operation (Main Menu Options)

Pressing the **[Shift]** key from the normal display will open the Main Menu on the alphanumeric display. The first option, 1) Commission, is not available to Control Level 2 Operators. See the *Analog Fire Alarm Control Panels Programming Guide* (P/N: 38789) for commissioning and programming information. The other options on the Main Menu permit tests and the setting, enabling and disabling of various system functions.

```
[ACTIVE] 1) Commission 2) Test 3) Time [1]
4) Enable 5) Disable 6) Print 7) View
```

Figure 9: Main Menu

4.4.1 System Tests

Select 2) Test from the Main Menu to open the Test Menu. This menu allows the Control Level 2 user to test the following:

- The LEDs on the Front Panel Display
- The alphanumeric (liquid crystal) display
- Detection and alarm initiating devices connected to the polling circuit
- NAC and other alarm condition devices connected to the system

```
1) LEDs 2) LCD 3) Zones 4) Outputs
```

Figure 10: Test Menu

If no action is taken, the display reverts to the normal display after one minute.

4.4.1.1 LEDs Test

Select the first option, 1) LEDs, by pressing the **[1]** key. The panel will flash all LEDs on the LED display and step through all the alarm and trouble LEDs in the Zone/Area display. On completion of the test, press **[No]** to return the display to the Main Menu.

4.4.1.2 LCD Test

Select the second option, 2) LCD, from the Main Menu by pressing the **[2]** key. The alphanumeric display will flash all characters in all spaces on the alphanumeric display and return to the Main Menu.

Control Level 2

4.4.1.3 Zones Test

Press the **[3]** key to select Zones. The Zones Test allows the operator to test devices on the polling circuit(s) and peripheral device circuit(s) without having to reset the panel after each device is tested.

Note: *If no action is taken within one minute, the display reverts to the normal display. Press the [**>**] key to restore the Test display.*

The panel displays Zone Test Menu 1.

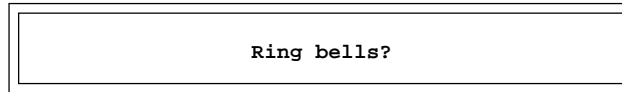


Figure 11: Zone Test Menu 1

Press the **[Yes]** key to activate the NAC devices briefly as each device is tested, or press the **[No]** key to bypass the indicator test. The panel then displays Zone Test Menu 2.

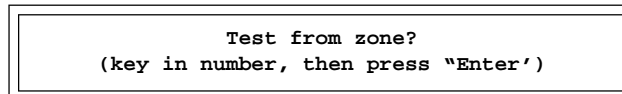


Figure 12: Zone Test Menu 2

Enter the number of the first zone to be tested and press **[Enter]**. The panel will then display Zone Test Menu 3. If, for example, "12" is keyed in, the display would show:

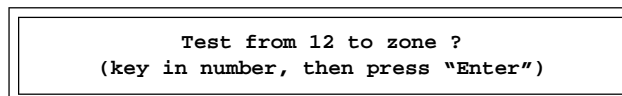


Figure 13: Zone Test Menu 3

If "15" is keyed in, the panel would display the Walk Test Mode as follows:

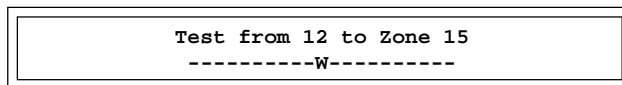


Figure 14: Zone Test Menu 4

The moving "W" across the lower line alternates with a "Press NO to EXIT" message.

Note: *Once the display indicates the panel is in the Walk Test Mode, the display will not revert to normal. The panel will terminate the test and sound the panel buzzer if there is no activity for a 20 minute period.*

The operator may test devices within the zone parameters shown on the display. The panel responds to each test by:

- Displaying an activation message on the alphanumeric display
- Entering the activation in the event log
- Lighting the alarm LED in the Zone/Area display
- Sounding the panel buzzer
- Lighting the LED at the device in alarm

After a few seconds, the panel will automatically reset and turn off the device LED. The panel allows up to one minute for smoke detectors to clear. The operator may then test the next device.

Note: *If the panel detects an alarm condition in a zone other than those being tested, all NAC devices and relays will activate as programmed. NAC devices will continue to operate until silenced from the panel.*

Terminate the Walk Test by pressing the **[No]** key. The display will return to the Main Menu (see Figure 9).

Note: *The fourth option on the Test Menu, 4) Outputs, is not available to Control Level 2 operators.*

4.4.2 Time Setting

Select the third option from the Main Menu, 3) Time, to change the time displayed on the D8024.

4.4.3 Enable/Disable Functions

Main Menu option four, 4) Enable, opens the Enable Menu. Main Menu option five, 5) Disable, opens the Disable Menu.

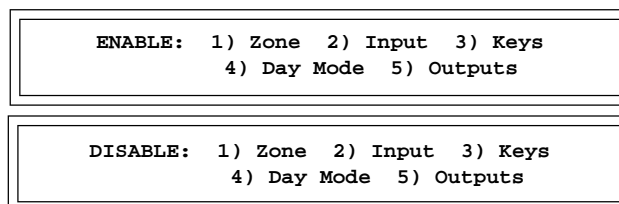


Figure 15: Enable/Disable Menus

The content of the Enable and Disable menu is identical, allowing the operator to enable or disable zones, individual devices (input), panel keys, day modes and outputs (relays).

Note: *NAC devices such as bells, horns and strobes cannot be enabled or disabled from Control Level 2.*

4.4.3.1 Enable/Disable by Zone

To enable or disable input signals from devices by zone, select 1) Zone from the Enable or Disable Menu.

The display will prompt for the zone number. Key in the zone number and press the **[Enter]** key.

The display will repeat the zone number and ask "OK?". Press the **[Yes]** key to confirm. The panel will then enable or disable all the input devices in the selected zone.

Note: *Any disabled circuit-driven device or relay on a circuit will still operate on output as programmed. Only the input signal will be disabled. However, manual pull stations (alarm boxes) within the zone are **not** disabled.*

When a device is disabled, the amber Point Bypassed LED on the LED display will light. The amber Trouble LED in the corresponding zone of the ZONE/AREA display will also light, and the panel will display a disable message on the alphanumeric display.

4.4.3.2 Enable/Disable Individual Detection Devices (Inputs)

To enable or disable input signals from individual detection devices, select 2) Input from the Enable/Disable Menu.

The display will prompt for the polling circuit (loop) number (1 or 2). Key in the circuit number and press **[Enter]**.

The display will then prompt for the address of the device. Key in the address and press **[Enter]**.

The display will then repeat the circuit number and address. Press the **[Yes]** key.

Note: *Any disabled circuit-driven device or relay on a circuit will still operate on output as programmed. Only the input signal will be disabled.*

4.4.3.3 Enable/Disable Panel Keys

To enable panel keys, press any of the control keys except the **[No]** key, or press the **[>]** key.

The panel will prompt "Do you want to enable the control keys?". Press the **[Yes]** key.

The panel then prompts for the Control Level 2 passcode. Key in the appropriate passcode.

The panel keys will be enabled for the programmed period of time. The display reverts to the Main Menu (see Figure 16). After one minute, the display reverts to the normal display. Pressing the **[System Reset]** key will also return the display to the normal display.

To disable the panel keys, select the third option, 3) Keys, from the Disable Menu. The display indicates that the panel keys are inhibited and then returns to the normal display. Disabling the panel keys returns the D8024 to Control Level 1.

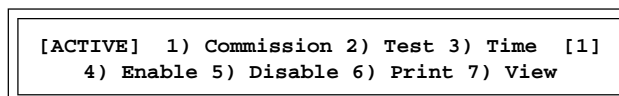


Figure 16: Main Menu

Control Level 2

4.4.3.4 Enable/Disable Delayed Day Mode

The Delayed Day Mode is configured from Control Level 3. This mode causes the panel to respond to high sensor signals by sounding the panel buzzer and displaying a warning message at the alphanumeric display. The panel delays alarm activation for a programmed period. Configuration parameters allow variations in time of day and zones affected. The Control Level 2 operator may enable or disable the Delayed Day Mode through the Enable or Disable Menu.

To enable the Delayed Day Mode, select 4) Day Modes, from the Enable Menu.

The display will prompt for the programmed number of days. To accept as prompted, press the **[Yes]** key.

To change from the prompted number of days, press the **[Change]** key, enter the desired number of days and press the **[Enter]** key.

Enter 0 days to disable the Delayed Day Mode. Enter 200 days to permanently enable the Delayed Day Mode.

Note: *If the Delayed Day Mode has not been programmed into the panel, pressing 4) Day Modes from the Enable or Disable Menu will return the alphanumeric display to the Main Menu.*

4.4.3.5 Enable/Disable Relays

Select 5) Disable, from the Main Menu to disable relays during testing. The panel will then display the Disable Menu. Select 5) Outputs. The display shows the following:

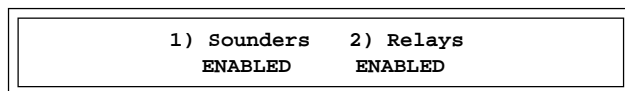


Figure 17: Outputs Menu

Note: *NAC devices such as bells, horns and strobes, all of which are sounders, cannot be enabled or disabled from Control Level 2.*

Select 2) Relays. The panel buzzer will sound, the System Trouble LED will light and the alphanumeric display message indicates that the relays are disabled.

Press the **[Trouble Silence]** key to silence the buzzer. The Trouble Silenced LED will light.

Note: *Any disabled outputs must be enabled before the system can be reset.*

To enable the outputs, press the **[No]** key to revert to the Main Menu.

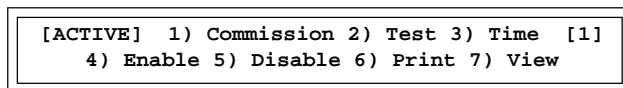


Figure 18: Main Menu

Enter the Enable Menu by selecting 4) Enable.

Select 5) Outputs.

Select 2) Relays. The system will reset and the Trouble Silenced LED will go out.

Press the **[No]** key to return to the Main Menu.

4.4.4 View Functions

Select 7) View from the Main Menu to enter the View Menu. This menu displays information about the selected option on the alphanumeric display. After viewing an option, press the **[No]** key to return to the View Menu. Press the **[No]** key again to return to the Main Menu.

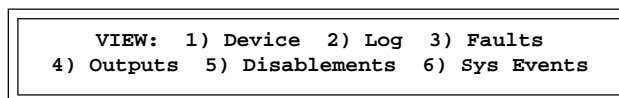


Figure 19: View Menu

4.4.4.1 View Devices

This option allows the operator to view the current state and text of any device on a circuit.

Select 1) Devices from the View Menu.

The display will prompt for the loop (circuit) number. Key in the circuit number and press **[Enter]**.

The display will then prompt for the address. Key in the address and press **[Enter]**.

4.4.4.2 View Event Log

This option allows the operator to view the Event Log.

Select 2) Log from the View Menu and press **[Enter]**.

The display prompts a beginning entry number. The default is the latest entry. Press **[Yes]** to accept the prompt.

Press **[No]** to select another entry. Use the **[<]** **[>]** keys to scroll through the log.

Exit this menu by pressing the **[No]** key.

4.4.4.3 View Faults

This option displays the panel fault status. This is the same display as the normal alphanumeric display without the logo. The operator may scroll through all the faults using the **[<]** **[>]** keys.

Exit this menu by pressing the **[No]** key.

4.4.4.4 View Outputs

This option displays information on the outputs.



Using the Alarm Silence Key forces all NAC devices to an OFF condition.

4.4.4.5 View Disablements

This option displays information on disabled devices. Select 1) Zones to view disabled devices by zone. Select 2) Inputs to view disabled input devices.

4.4.4.6 View System Events

This option displays information on system events. Use the **[<]** **[>]** keys to scroll through the events.

Notes:

5.0 Control Level 3 (Programmer Functions)

Note: Commission, configure, networking and certain disable options are not available to Control Level 2 operators. These options are reserved for Control Level 3 operators. See the Analog Fire Alarm Control Panels Programming Guide (P/N: 38789) for complete information on commissioning and programming the D8024 Analog FACP.

5.1 Enable/Disable Sounders (NAC Devices)

All sounders (NAC devices such as horns, bells, strobes, etc.) and relays can be enabled or disabled from the control panel during testing. Disabling NAC devices requires a Control Level 3 passcode. No passcode is required to enable NAC devices.

From the Main Menu, select 5) Disable. The Disable Menu is displayed.

Select 5) Outputs. The display shows:

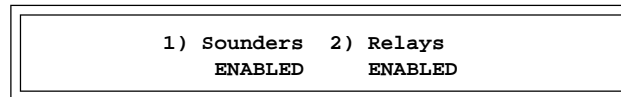


Figure 20: Outputs Submenu

Select 1) Sounders. The display prompts for the Control Level 3 passcode. Enter the passcode. The panel buzzer will sound, the System Trouble LED will light and the display message will indicate that the output is disabled.

Press the **[Trouble Silence]** key to silence the buzzer. The Trouble Silenced LED will light.



The disabled output must be enabled before the system can be reset.

To enable the outputs, press the **[No]** key to revert to the Main Menu.

Enter the Enable Menu by selecting 4) Enable.

Select 5) Outputs.

Select 1) Sounders. The system will reset and the Trouble Silenced LEDs will go out.

Notes:

Index

A	
Alarm Signal Response	15
Alarm Signals	14
Alphanumeric and Program/Interactive Key Functions	9
C	
Conditions	
Alarm Conditions	11, 14
Power Conditions	11, 13
Trouble Conditions	11, 14
Control Key Functions	8
Control Level 1 (Display Functions)	11
Control Level 2 (Controller Functions)	13
Control Level 3 (Programmer Functions)	21
Control Level Distinction	
Control Level 1 (Display Level)	8
Control Level 2 (Controller Level)	8
Control Level 3 (Programmer's Level)	8
Controls and Displays	8
M	
Main Menu Options	
Enable/Disable Functions	
Enable/Disable by Zone	17
Enable/Disable Delayed Day Mode	18
Enable/Disable Individual Detection Devices	17
Enable/Disable Panel Keys	17
Enable/Disable Relays	18
Test	
LEDs Test	15
Tests	
LCD Test	15
System Tests	15
Zones Test	16
Time Setting	17
View Functions	
View Devices	19
View Disablements	19
View Event Log	19
View Faults	19
View Outputs	19
View System Events	19
Menu	
Control Level 2, Entry Menu 1	13
Control Level 2, Entry Menu 2	13
Enable Menu	13
Enable/Disable Menus	17
Main Menu	13, 15, 17, 18
Outputs Menu	18
Test Menu	15
View Menu	19
Zone Test Menu 1	16
Zone Test Menu 2	16
Zone Test Menu 3	16
Zone Test Menu 4	16
N	
Notices	
FCC Notice	5
General Notices	5
UL/NFPA Notice	5
O	
Overview	7
P	
Passcodes	8
Power Failure Signal	13
Power Failure Signal Response	13
S	
System Control Keys	
Alarm Silence	8
Fire Drill	8
System Reset	8
Trouble Silence	8
System Overview	7
T	
Trouble Signal Response	14
Trouble Signals	14

