

LED Indicators

LED indicators are provided to annunciate the following conditions:

- Fire Alarm (red)
- CO Alarm (red)
- AC Power (green)
- Supervisory (yellow)
- Trouble (yellow)
- Ground fault (yellow)
- Battery fault (yellow)
- Disabled (yellow)
- Maintenance (yellow)
- Communication (yellow)
- Alarm Silenced (yellow)
- F1-F4 Function Keys (yellow)

Function keys:

- Acknowledge
- Alarm Silence
- Drill
- Reset (lamp test)
- four (4) programmable function keys

Service/program keys:

- Keys labeled 1 to 9
- * key
- # key
- 0 key
- First Event and scroll keys
- Last Event and scroll keys
- Clear key
- Escape key
- Two cursor keys (left and right)
- Menu/Enter key

Local Piezo Sounder

A piezo sounder provides separate and distinct pulse rates for alarm, trouble and supervisory conditions.

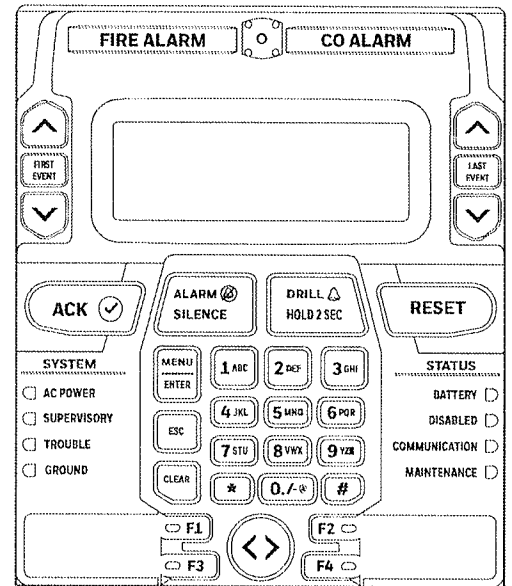


Figure 1.2 Membrane/Display Panel

1.4 Components

Main Circuit Board

The main circuit board contains the system's CPU, power supply, other primary components and wiring interface connectors. The 4XTMF option module plugs in and is mounted to the main circuit board.

IPOTS-COM Communicator Card

The pre-installed IP/POTS communicator card transmits system status (alarms, troubles, AC loss, etc.) to a Central Station via the public switched telephone network. It also allows remote programming or interrogation of the control panel using the FS-Tools Upload/Download utility and a hard-wired ethernet IP connection. Any personal computer with Windows[®] 7 or greater, 32 or 64 bit, and FS-Tools software may serve as a Service Terminal. This allows download of the entire program or upload of the entire program, history file, walktest data, current status and system voltages. See Section 6 on page 120 for more information.

The IPOTS-COM digital communicator provides the following POTS functions:

- Line Seizure: takes control of the phone lines disconnecting any premises phones
- Off/On Hook: performs on and off-hook status to the phone lines
- Listen for dial tone: 440 Hz tone typical in most networks
- Dialing the Central Station(s) number: default is Touch-Tone[®], programmable to rotary
- For tone burst or touchtone type formats: discern proper *Ack* and *Kiss-off* tone(s). The frequency and time duration of the tone(s) varies with the transmission format. The control panel will adjust accordingly.
- Communicate in the following formats:
 - ✓ Ademco Contact ID
 - ✓ SIA DCS 8
 - ✓ SIA DCS 20

Cabinet

The ES-50X backbox provides space for two batteries (up to 18 Amp Hour). Ample knockouts are provided for system wiring. Also available is an optional dress panel (DP-ES-R), which mounts to the inside of the cabinet (required by ULC for Canadian installations).

ES-50X and ES-50XC Fire Alarm Control Panels Operating Instructions

NORMAL - Only *AC POWER* is illuminated green. All other indicators are off. LCD display will read *SYSTEM NORMAL*.

PANEL KEY - The key to open the panel can be found at the following location:

WHEN AUDIBLE DEVICES ARE SOUNDING - FOR AN ALARM

1. Evacuate the protected area
2. Notify the monitoring service and/or the Fire Department immediately. Tell them briefly what happened and what your current status is.

Phones: _____
 Fire Department Monitoring Service

3. If the Fire Department is responding, be prepared to provide directions to arriving firefighters.

FOR TROUBLE, SUPERVISORY, AND EMERGENCY ALARMS

1. Notify the monitoring service and/or applicable first responders if this panel is connected to either one, and tell them what is happening.
2. Silence audible devices by unlocking and opening the panel and pressing the *ACKNOWLEDGE/STEP* button. The applicable indicator will remain illuminated. Contact authorized service personnel immediately! (See Below).

WARNING!

DO NOT ALLOW TROUBLE CONDITIONS TO REMAIN LOGGED IN THE SYSTEM. THE PROTECTION THE SYSTEM OFFERS HAS BEEN COMPROMISED OR ELIMINATED, WHEN A TROUBLE CONDITION EXISTS.

To return to normal after an alarm

1. Do not enter the protected area until safe to do so.
2. Clear all initiating devices. Smoke detectors will not reset if there is still smoke in the area.
3. Reset the control panel (PRESS the *RESET* button)

Power failure or brownout

If AC power drops too low or fails, *AC POWER* indicator will extinguish, the system *TROUBLE* indicator will turn on yellow, and the panel buzzer and any other audible trouble devices will sound. Contact authorized service personnel immediately. See below.

Manual activation (Fire Drill or otherwise)

Notification Appliance Circuits (NACs) can be activated by pressing and holding the *DRILL* button for at least two seconds.

NOTE: You may want to disconnect the municipal box by sliding the *DISCONNECT* switch, located on the 4XTMF module, to its disconnect position (to the right). If a *DACT* is connected, notify the monitoring service before conducting any fire drills or tests.

Alarm Silencing

Notification Appliance Circuits may be silenced by pressing the *ALARM SILENCE* button. *ALARM SILENCED* will turn on yellow. Subsequent alarms will reactivate circuits. Press the *RESET* button to clear the "silenced" condition.

NOTE: Notification Appliance Circuits may be programmed as nonsilenceable. Also, *Signal Silence Inhibit*, if enabled, will prevent silencing of NACs for five minutes after an alarm (see manual).

To test the indicators, LCD display and piezo

Press and release the *RESET* button and check all indicators/LEDs. Every indicator/LED should be on, LCD shows all pixels on, piezo sounder beeps.

For more information, refer to the *ES-50X Series Manual*, Document #LS10129-000FL-E. It is kept in the following location:

**THIS SHEET SHALL BE FRAMED ADJACENT TO THE
CONTROL PANEL**



In the event of trouble, contact the
local Fire-Lite Service Representative

Name: _____

Company: _____

Address: _____

Telephone Number: _____