


## 1.3 Controls and Indicators

### LCD Display

The FACP uses an 80-character (4 lines X 20 characters) high viewing angle LCD display. The display includes a long life LED backlight that remains illuminated. If AC power is lost and the system is not in alarm, the LED backlight will turn off to conserve batteries.



SYSTEM NORMAL  
10:00A 010118

### Key Panel

Mounted on the main circuit board, the key panel includes a window for the LCD display and LED indicators as listed below. The key panel, which is visible with the cabinet door closed, has 30 keys, including a 16 key alpha-numeric pad similar to a telephone keypad.

### 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.

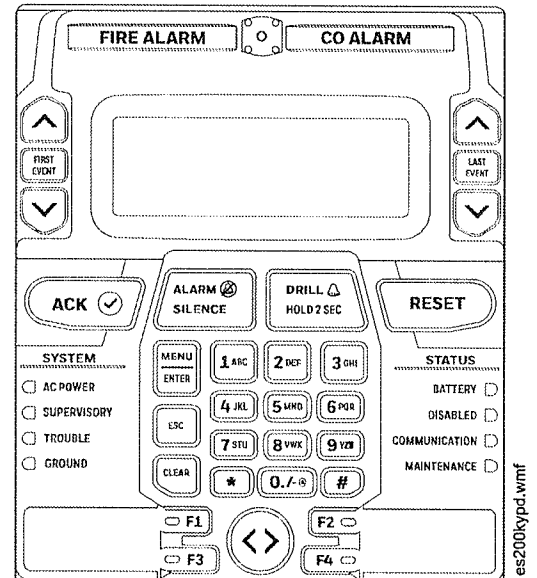


Figure 1.2 Membrane/Display Panel

## 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. Refer to Section 6 on page 123 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

# ES-200X and ES-200XC 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-200X Series Manual, Document #LS10131-000FL-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: \_\_\_\_\_