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LCD-80F

80-Character Liquid Crystal Display Remote Fire Annunciator

Section: Annunciators

GENERAL

The **LCD-80F** is a compact, cost-effective, 80-character, backlit LCD remote Fire Annunciator for use with the Fire•Lite **MS-9200UD** and **MS-9600** Fire Alarm Control Panels (FACPs). The LCD-80F displays complete system point status information and includes control switches for remote control of critical system functions.

Up to 32 LCD-80Fs may be connected onto the EIA-485 terminal port (TB7) of each FACP. The LCD-80F requires no programming, which saves time during system commissioning.

FEATURES

- 80-character Liquid Crystal Display.
- Mimics all display information from the host panel.
- Control switches for System Acknowledge, Signal Silence, Drill and Reset with enable key.
- System status LEDs for Power, Alarm, Trouble, Supervisory and Alarm Silenced.
- No programming necessary — LCD-80F connects to the terminal port (TB7) on the FACP.
- Displays device type identifiers, individual point alarm, trouble or supervisory, zone and custom alpha labels.
- Time-and-date display field.
- Aesthetically pleasing design.
- May be powered by 24 VDC from the host FACP or by remote power supplies (requires 24 VDC).
- Up to 32 LCD-80F annunciators per FACP.
- Plug-in terminal blocks for ease of installation and service.
- Can be remotely located up to 6,000 feet (1828.8 m) from the FACP.
- Local piezo sounder with alarm and trouble resound.
- Semi-flush mounts to 2.188" (5.556 cm) minimum deep, three-gang electrical box (Fire•Lite P/N **10103**) or three-gangable electrical switchbox.
- Surface-mounts to Fire•Lite **SBB-3** surface backbox.

OPERATION

The LCD-80F annunciator provides the FACP with point annunciation with full display text on an 80-character LCD display. The LCD-80F also provides an array of LEDs to indicate system status, and includes control switches for remote control of critical system functions.



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LCD-80F

The LCD-80F provides the FACP with up to 32 remote serially connected annunciators. All field-wiring terminations on the LCD-80F use removable, compression-type terminal blocks for ease of wiring and circuit testing.

Communication between the FACP and the annunciators is accomplished over an EIA-485 serial interface, which greatly reduces wire and installation cost over traditional systems. Six wires total are required: four for the EIA-485 communications (two in and two return); and two for the 24 VDC regulated power. Dip switches control local functions such as: piezo disable, control switches/key-switch disable, transmit/receive mode.

INSTALLATION

The LCD-80F can be semi-flush mounted to a 2.188" (5.556 cm) minimum deep, three-gang electrical box (Fire•Lite P/N 10103) or three-gangable electrical switchboxes. Alternatively, an SBB-3 surface backbox is available for surface-mount applications.

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information, contact Fire•Lite Alarms, One Fire-Lite Place, Northford, Connecticut 06472. Phone: (800) 627-3473, Toll-Free FAX: (877) 699-4105.

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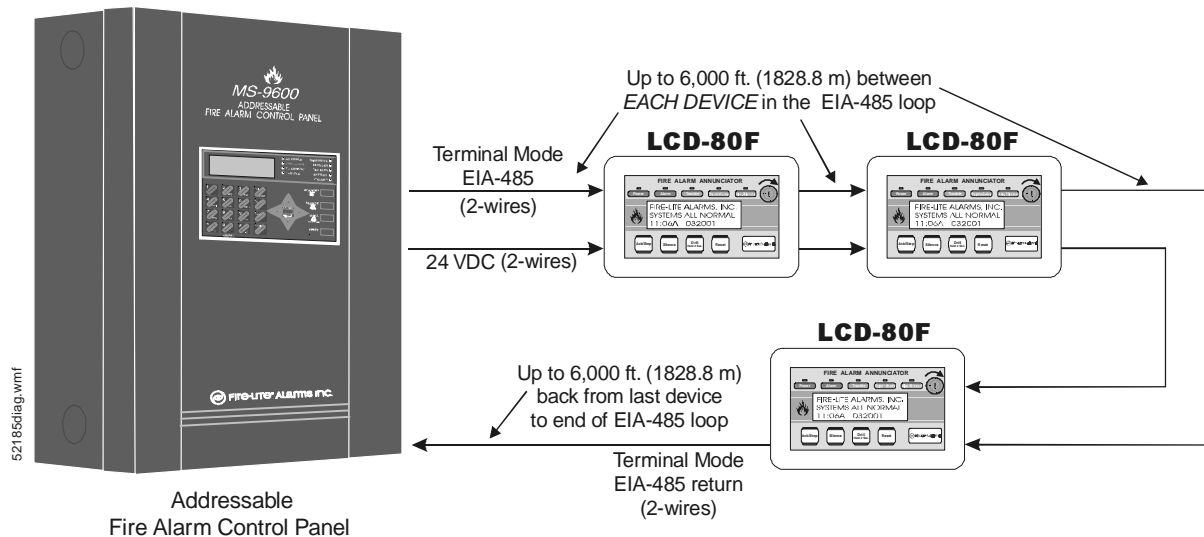
PRODUCT LINE INFORMATION

LCD-80F 80-character, backlit, LCD Fire Annunciator with control switches for remote control of system functions, and key-switch lock.

10103 Three-gang electrical box, minimum 2.188" (5.556 cm) deep, for semi-flush mount applications.

SBB-3 Three-gang surface backbox for surface-mount applications.

LCD-80F TERMINAL MODE WIRING EXAMPLE



Notes:

- 1) EIA-485: Maximum of 6,000 feet (1828.8 m) cable length from FACP to LCD-80F annunciators, 6,000 feet cable length between each LCD-80F and 6,000 feet from the last LCD-80F back to the FACP. Circuit is power-limited.
- 2) Up to 32 LCD-80F annunciators may be used on the EIA-485 circuit. When multiple LCD-80Fs are used, the FACP will require additional power supplies (refer to panel documentation).
- 3) Between each LCD-80F annunciator are four wires: a twisted-shielded pair for data communications and a pair for 24 VDC power. The return circuit only requires two wires (twisted) for data communication supervision, wired from the last LCD-80F annunciator on the loop.

MOUNTING TO BACKBOX(ES)

The LCD-80F annunciators can be semi-flush mounted in a three-gang electrical box with a minimum depth of 2.188" (5.556 cm) (Fire•Lite P/N 10103).

The LCD-80F annunciators can be mounted in three-gangable electrical switchboxes connected together.

NOTE: Alternately, LCD-80F annunciators can be mounted to the SBB-3 surface backbox for surface-mount applications.

Electrical Installer's Note: This annunciator may not fit easily into a standard 3-gang electrical box if locking clamps are used to secure wiring entering the rear or side knock-outs. Only use the TOP or BOTTOM knockouts to bring wiring into a standard 3-gang electrical box.

5.813" (14.764 cm) wide x 4.0" (10.16 cm) high x minimum 2.188" (5.556 cm) deep, three-gang electrical box (Fire•Lite P/N 10103, shown at right).

