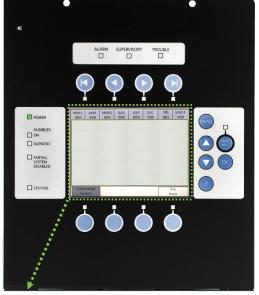# FireFinder® XLS and XLSV

Person Machine Interface 3
Model PMI-3

— ARCHITECT AND ENGINEER SPECIFICATIONS —

- Main-operator interface with user-prompted lighted, large buttons for system control, operating sequence

- Touch-screen driven, system-control menus

- Additional tabs , including queues for mass notification (MNS)

- Go-to-beginning, go-to-end queue buttons

- Front-end light-emitting diodes (LEDs) for *Alarm*, *Supervisory* and *Trouble* commands

- Global annunciation and control capability

- Partial-system disable LED

- Audible Status LEDs (ON and *Silenced*)

- Integrated slots for switch-control (Model SCM-8) and LED-control (Model LCM-8) modules

- Large, 6-inch (15.2 cm) color display

- Context-sensitive `Help' menu

- Navigation buttons and `More Info'

- 40 software-programmable `User Macro' switches

- ®UL 864 9th Edition and ®UL2572 Listed & ®ULC Listed; FM, CSFM and NYCFD Approved

NOTE: The depiction above represents display capabilities for the purpose of this document.

It does not actually reflect a front-end screen in a quiescent state.

XLS Person Machine Interface 3 (Model PMI-3)

Product Overview

The Person Machine Interface (Model PMI-3) is the primary user interface for the FireFinder fire alarm control panel (FACP). Model PMI-3 also serves as both operator interface and central microprocessor for each XLS system. From each Model PMI-3, the end-user can *Acknowledge* events; control the system notification appliance circuits (NACs), and reset the system for both FIRE and MNS events. Detailed information about the nature and location of the events can also be displayed.

Model PMI-3 contains the site-specific program configuration created in the custom-configuration tool, *Zeus*. The controller in Model PMI-3 provides all system logic and supervision.

Specifications

Model PMI-3 contains a large, 6" (15.2 cm) (1200 –*x*– 800 pixel) color liquid-crystal display (LCD), touch screen and LEDs for displaying system status.

An audible sounds when there are 'unacknowledged' events on Model PMI-3. The display is surrounded by keys that are used to control the displayed information and to navigate through these screens. Keys are also provided to obtain 'Help' and to enter into the menu features of Model PMI-3.

Every FireFinder XLS FACP is controlled and operated from Model PMI-3, which uses large, lighted buttons to prompt the end-user to the next available, correct system operation (i.e. – *Acknowledge*, *Silence*, *Unsilence Audible* or *Reset*).

FireFinder® XLS Person Machine Interface 3 **6359**

Specifications – (continued)

With the use of the software upgrade kit (Model GPMI2-HW-KEY) Model PMI-3 can provide global functionality by annunciation and controlling multiple FireFinder XLS and MXL systems.

The display of Model PMI-3 categorizes events by type, providing a separate event tab for *Alarm*, *Supervisory*, *Security*, Trouble, and MNS events. The quantity of active events of each type is listed in each event tab. The display provides two (2) full lines of text message for each event.

Each event can have a 32-character custom message describing the event's location. In addition to the text message, the system displays the category of the active event: (e.g. – *Smoke*, *Heat*, *Water Flow*, *Manual*, etc) – the category means more to responding officials than model numbers.

The LCD screen displays events in user-selectable colors corresponding to the event type. Through Zeus, the end-user can select the color associated to each event type. Maintenance menus also use colors to highlight system features and capabilities, such as arming and disarming points, system testing, and system reports.

Up to five (5) events can be displayed at a time. For Canadian operation, 10 events are shown. When more than five (5) events are present, the up-and-down-arrow keys allow the user to vertically scroll the list of events. A progress meter on the side of the list indicates the size of the list of events and the location in the list. New, 'unacknowledged' events are indicated by a flashing exclamation point ('!'). Once acknowledged, the exclamation point changes to a check mark ('√').

To the right of the display is a button that is labeled 'More Info.' When an event occurs in the system – if additional information has been configured for this event, the 'More Info' button will light green, prompting the end-user to press the 'More Info' button.

Once 'More Info' is pressed, the end-user is presented with a full screen of detailed information about that event, including over 200 characters of additional text to describe the event, standard NFPA 170 Fire Safety symbols, Hazmat and other critical information concerning the event. This information can be invaluable to a fire official responding to an *Alarm* event.

The detail screen also provides the end-user with a summary of the events – sorted by active type active in the area. A building contact name and phone number are also available.

In addition to the detail screen, the end-user can view a graphics map, which can show a simple building floor plan. On the map, the end-user will see an icon indicating the location of the event in the building in addition to a 'You-Are-Here' symbol to tell the responding person exactly where they are in the building in relation to the event.

Model PMI-3 also provides a completed menu for running system status reports (via a print-preview feature right on the screen before sending the report to the printer). The menu system is designed to allow the user to scroll through the entire system in either the Physical or Geographic views to locate the area of the system desired – all without having to know module or device addresses. All navigation is possible using custom messages.

The Maintenance Menu is accessed by password. When an end-user enters this mode, the touch screen of Model PMI-3 will be enabled, prompting the end-user to enter a password. System control within the maintenance menu uses large, easy-to-read touch buttons.

Model PMI-3 also provides the end-user with 40 programmable macro or function buttons, which can be programmed for a variety of usages. Model PMI-3 mounts to the inner door in two (2) of four (4) available module spaces in the Models CAB1, CAB2 or CAB3 enclosures.

Model PMI-3 communicates with the rest of the FireFinder XLS system via the internal, 60-pin data bus. Each of these data buses contains all power and data communications for Model PMI-3.

Language Overlays

There are overlays that provide naming in alternate languages for visual indicators found on the front of each Model PMI-3. Each overlay is assigned, respectively, on Model PMI-3's outer assembly when affixed to the display on the user interface. Each overlay assignment is intended to be used in combination with the run-time, alternate-language files found in the *Zeus* tool.

Electrical Ratings
– Input Power –

24V Back Plane Current:	195mA
24V Current Draw: [Screw Terminal]	0
6.2V Back Plane Current:	0
24V Current Draw: [Standby]	125mA

– Output Power –

Each HNET/XNET and CAN Network Pair	8V, peak-to-peak, max.
	75mA, max. (during message transmission)

Related Documentation

Product	Data Sheet Number
FireFinder® XLS System Overview	6300
FireFinder® XLSV Voice-System Overview	6340

Temperature and Humidity Range

Products are ®UL 864 9th Edition Listed for indoor dry locations within a temperature range of 120 +/- 3°F (49 +/-2°C) to 32+/-3°F (0+/-2°C) and relative humidity of 93+/-2% at a temperature of 90+/-3°F (32+/-2°C).

Details for Ordering

Model	Part Number	Description
PMI-3	S54430-C15-A1	Person Machine Interface 3 for FireFinder® XLS
PMI-3 International Overlays	S54430-C16-A1	Alternate-language Overlay for navigation on a Person Machine Interface 3
GPMI-3	S54430-C25-A1	Person Machine Interface 3 with GPMI3-HW-KEY
GPMI3-HW-KEY	S54430-C4-A1	Software Upgrade Kit for Model PMI-3 Global Functionality

Notice: This marketing data sheet is not intended to be used for system design or installation purposes. For the most up-to-date information, refer to each product's installation instructions.