

Installation Instructions

Models PMI / PMI-INTL

Person-Machine Interface

INTRODUCTION

The Model PMI/PMI-INTL from Siemens Industry, Inc., is the user interface for the FireFinder-XLS™ system. From the PMI/PMI-INTL the operator can acknowledge events, control the system notification appliance circuits and reset the system. Detailed information about the nature and location of events can also be displayed.

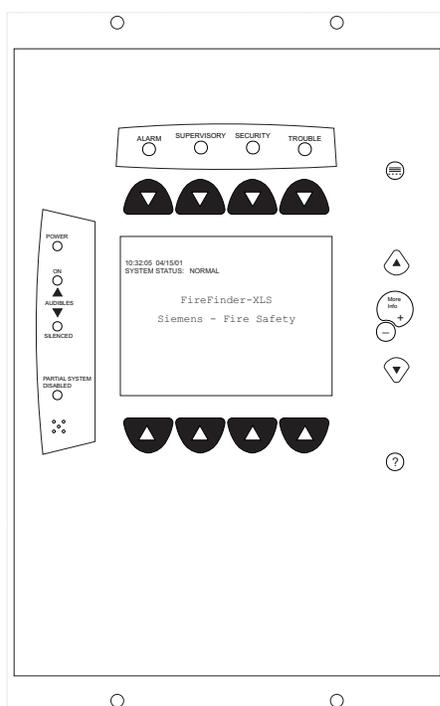


Figure 1
PMI User Interface

The PMI is used as the primary user interface in CAB1, CAB2 or CAB3 enclosures. The PMI can also be used as a primary user interface in a remote REMBOX2 or REMBOX4 enclosure. The PMI-INTL is used as the primary or remote user interface in applications where French, Spanish or Portuguese is the primary language. They are identical in all other ways, and will be referred to in the remainder of this document as PMI.

The PMI contains the site specific program as developed in Zeus. All system logic and supervision is provided by the controller in the PMI.

The PMI contains a ¼ VGA monochrome LCD, Touch Screen and LEDs for displaying system status. An audible sounds when there are unacknowledged events on the PMI. 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 the PMI. (Refer to Figure 1.)

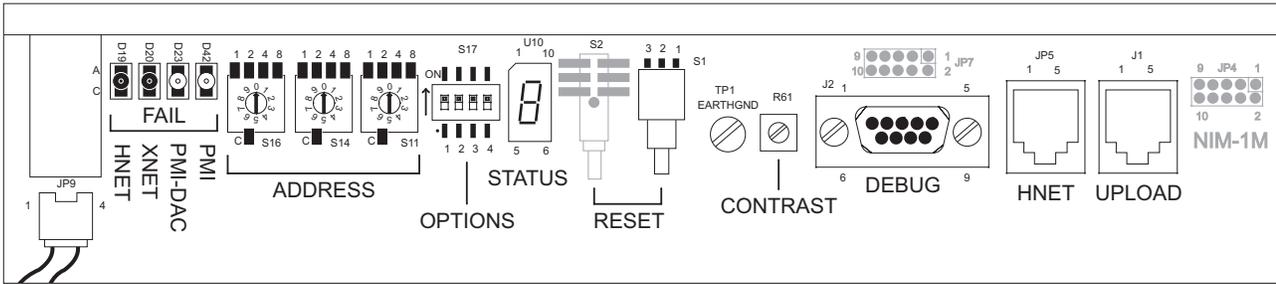
On the back of the PMI there are additional diagnostic displays to aid in system troubleshooting. This is also where the PMI address is set and where the connection is made to Zeus for programming. (Refer to Figure 2.)

A contrast pot is provided on the back of the PMI to adjust the LCD for the best visibility.

For systems configured to provide Smoke Controk (UUKL), refer to the FireFinder XLS Control Panel System Manual, P/N 315-034853.

PRE-INSTALLATION

The PMI-INTL comes with French (Canadian) labels applied to the PMI. Labels in three additional languages are also shipped with the PMI-INTL. To apply the labels for an alternate language, first remove the French (Canadian) labels. Then select the appropriate label—either English, Spanish, or Portuguese (Brazilian), from the Power label kit, P/N 575-434249 and the Alarm label kit, P/N 575-434218. Remove the backing from the labels and apply them to the PMI. (Refer to Figure 3.) Discard the remaining labels.



DESCRIPTION OF PMI DIAGNOSTICS

HNET	LED glows steady when a failure on the HNET network is detected.
XNET	LED glows steady when a failure on the XNET network is detected.
PMI-DAC	For future use.
PMI	LED flashes when a main processor failure occurs in the PMI.
ADDRESS SWITCHES	Set to 253 by turning the pointers on each of the three dials to 2 - 5 - 3.
OPTIONS	Set switch 4 to ON for XNET. Set all other switches to OFF.
STATUS LED	Walking segments light to indicate normal operation. Error code is displayed if an internal error is detected.
RESET SWITCH	Press to re-initialize the PMI.
CONTRAST POT	Turn to adjust the LCD for the best visibility.
DEBUG PORT	Factory use only.
HNET	HNET connection to laptop PC for network diagnostics.
UPLOAD	Connection to Zeus tool for transferring system configuration data.
NIM-1M	For future use.

Figure 2
PMI Diagnostics

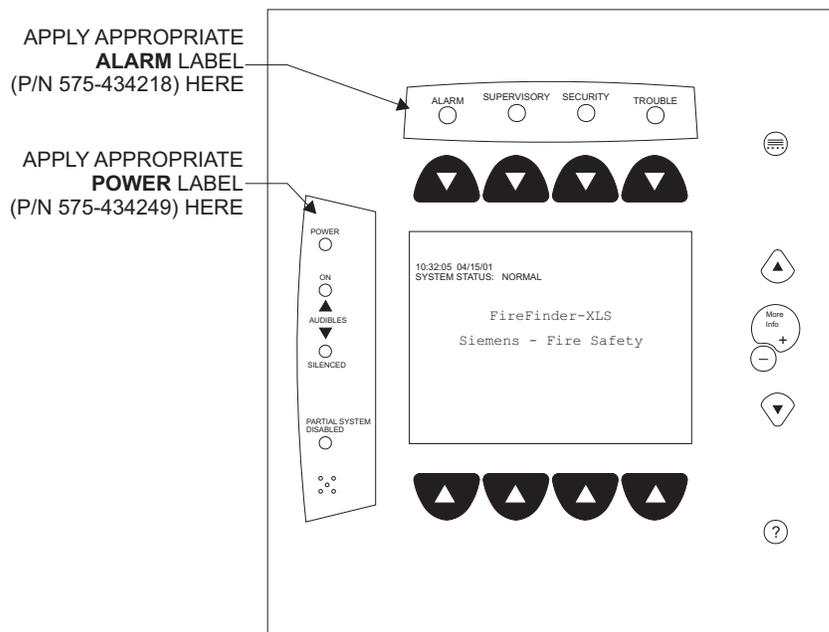


Figure 3
Applying PMI-INTL Labels



Remove ELECTRICAL POWER prior to installing the PMI/PMI-INTL in the enclosure.

Remove the PMI from its anti static bag. Set the three-digit network address using the 10-position rotary switches located on the back of the PMI. For HNET, set the PMI/ PMI-INTL to 253. Make sure that the PMI is configured at this address in the Zeus physical view.

When the PMI is used with XNET, the three-digit network address switch is used to set the XNET node address. In order to configure the PMI for XNET operation, first set position 4 of the options switch, S17, to ON. (Refer to Figure 2 for the location of the options switch.) Next set the XNET node address that has assigned in Zeus on the network address switches. Be sure to set all leading zeros. For example, Node 2 is set at 002. The MNET address of the PMI is automatically set to 253 when position 4 of S17 is in the ON position.



Note the location of the contrast pot. Although the PMI comes from the factory with the LCD contrast adjusted, this adjustment may not be proper for the viewing angle of the LCD once it is installed in the enclosure. If the contrast appears poor with the system powered, open the inner door and locate the contrast pot on the lower edge of the PMI printed circuit board. Adjust this pot until the LCD contrast is acceptable.

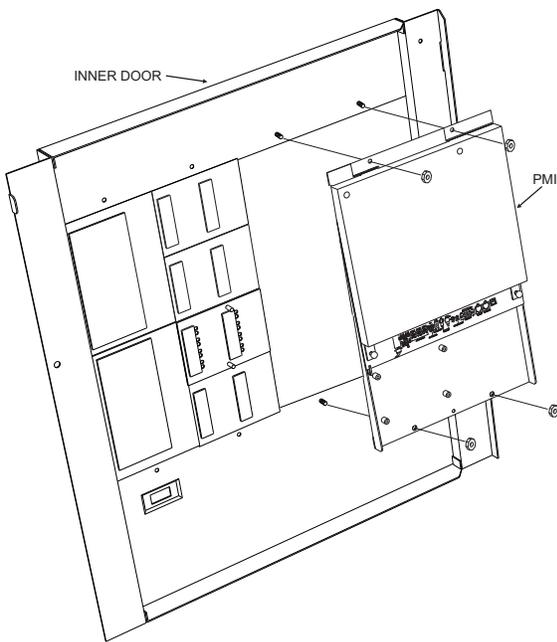


Figure 4
Mounting The PMI/PMI-INTL
To The Rear Of The Inner Door

The PMI/PMI-INTL mounts to the rear of the inner door in the CAB-1, CAB-2, CAB-3, REMBOX2 or REMBOX4 enclosures. Select the location of the PMI. It can be mounted either in the center or on the left side of the inner door, when viewed from the outside of the enclosure. Place the PMI onto the inner door from the rear, over the four mounting studs in the desired location. Secure the PMI to the inner door with the four nuts provided. (Refer to Figure 4.)

A 40 inch long 60 wire cable, P/N 555-133743, connects the PMI/PMI-INTL to the CC-5. The CC-5 is located in the back of the enclosure on the left hand side. Connect one end of the cable to JP3 on the PMI. JP3 is marked with "CC-5" on the PMI/PMI-INTL printed circuit board. Connect the other end of the cable to P1 on the CC-5. (Refer to Figure 5.)

Connect the PMI to the RNI in a REMBOX2/4. The RNI is located in the back of the enclosure on the top left hand side. Connect one end of the cable to JP3 on the PMI/PMI-INTL. JP3 is marked with "CC-5" on the printed circuit board. Connect the other end of the cable to JP1 on the RNI. (Refer to Figure 6.)

Make sure that all cables snap fully into their connectors and close the locking levers over the top of each cable connector. Secure the cable in the back box using cable ties and the tie down points in the enclosure. The cable must have sufficient slack to allow the inner door to open fully without putting stress on the cable.

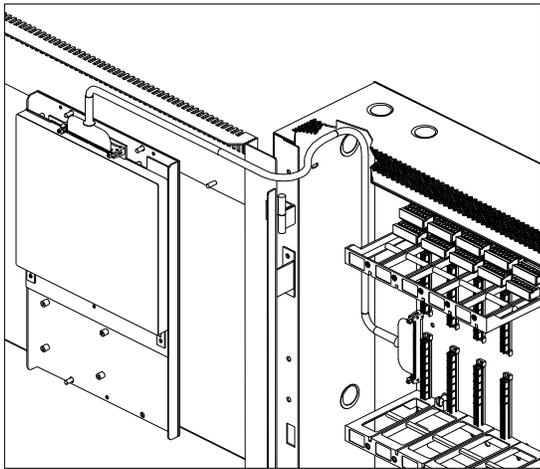


Figure 5
Connecting The PMI/PMI-INTL To The CC-5

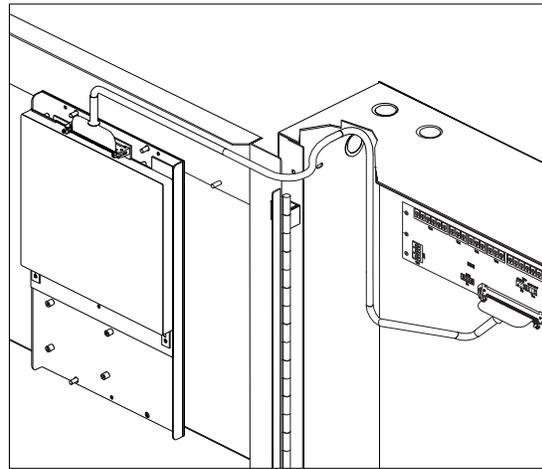


Figure 6
Connecting The PMI/PMI-INTL To The RNI

OPERATION

In the normal standby condition the PMI displays the site specific custom message, the time and date, and a synopsis of the system status.

When an event occurs in the system, the display enters the Alert mode. The event is displayed, the local audible sounds and the appropriate LED blinks. If the event caused notification appliances to sound the Audibles On indicator lights. At the bottom of the screen an acknowledge button is displayed. Pressing this button acknowledges the event and silences the local audible. Once all events are acknowledged a reset button becomes available in the lower right side of the display. If notification appliances were active, two additional buttons appear at the bottom of the screen. These allow the operator to silence or unsilence the notification appliances. When the notification appliances are silenced the Audibles Silenced LED lights. The system can only be reset with the notification appliances silenced.

If more events are present in the system than can be displayed on a single screen a scroll bar appears to the right of the event list. Pressing the up and down navigation buttons to the right of the LCD allows the operator to move through the list. The selected event is highlighted in the display. Pressing the More Info button will display a screen showing details relating to the selected event. Other buttons also appear at the bottom of this screen. There is an expanded text message available and a selection to show all of the devices associated with the event that are active. The operator can return to the previous screen by pressing the ESC (-) button, which is adjacent to the More Info button. (For more detail on PMI operation, refer to the FireFinder-XLS Manual, P/N 315-033744.)

ELECTRICAL RATINGS

Input Power		Output Power	
24V Back Plane Current	230mA	Each HNET/XNET and CAN Network Pair	8V peak to peak max.
Screw Terminal 24V Current	0		75mA max. (during msg. transmission)
6.2V Back Plane Current	0		
24V Standby Current	230mA		

For CE applications in Cerberus E100 systems refer to Installation Instruction A24205-A334-B844 (English) or A24205-A334-A844 (German).