

ADDRESSABLE RELEASING CONTROL PANEL



P/N 98738

Features

Expandable system from 127 to 2,032 addressable points

- 10 Amp continuous power supply
- 6 Notification Appliance Circuits (NACs), rated at 3 Amps each
- 4 multi-functional Input/Output (I/O) circuits for dry contact input or 1 amp output
- Listed for pre-action, deluge, and agent releasing
- Multi-hazard with cross and counting zones
- Quadrasync strobe synchronization for system wide sync of various brands
- Strobe sync for Potter/AMSECO, Gentex, System Sensor and Cooper/Wheelock
- 120/240 VAC input at 50/60 hertz
- Oversized 4 X 40 LCD with 160 characters
- 1,500 software zones for unlimited programming
- Dual P-Link RS-485 busses for annunciator, SLC cards, power supplies and accessory connections
- Up to 310 amps of expandable intelligent strobe power supplies
- Remote mountable Signaling Line Circuit Expanders (SLCE-127)
- Optional dual phone line digital alarm communicator
- Ethernet connection for programming and network connectivity
- E-mail alarms, troubles, system reports and event buffer
- Built-in, listed IP communicator for reporting point, zone or panel

Electrical Specifications

AC Input Power

5.0 Amps at 120 VAC 50/60 Hz
3.0 Amps at 240 VAC 50/60 Hz

Battery Current Draw (Panel)

160 mA Standby Condition
400 mA Alarm Condition

Battery Storage

The cabinet will house either two 12 volt 8 AH batteries or two 12 volt 18 AH batteries.

Description

Potter model P400R is an expandable analog/addressable releasing fire alarm system with a total system capacity of 2,032 points. The control panel utilizes the exclusive Potter/Nohmi protocol that includes a complete line of sensors and modules. The system is expandable with a total of fifteen additional addressable Signaling Line Circuits (SLC) each with a maximum of 127 devices. Each SLC may be comprised of any combination of smoke sensor, heat detectors or modules and allows for a total of 50 ohms of impedance and may use any wire compliant with the National Electrical Code (NEC).

P400R has a 10 Amp power supply with six Notification Appliance Circuits (NACs) and four In-put/Output (I/O) circuits. The NACs are rated at 3 Amps each and the I/Os are rated at 1 Amp each. Each output is regulated and power limited. In addition, each output is uniquely programmable and may be configured for steady signal, strobe synchronization, constant power, door holder power, or releasing. The strobe synchronization includes Potter/AMSECO, Gentex, System Sensor and Cooper/Wheelock and with the exclusive Quadrasync each output may have a unique brand and all strobes will flash together.

The software allows cross zones, counting zones, and timers for suppression. The system is capable of multiple release outputs across multiple hazards. In addition, the JFS-PS1000 may be used to extend releasing capability.

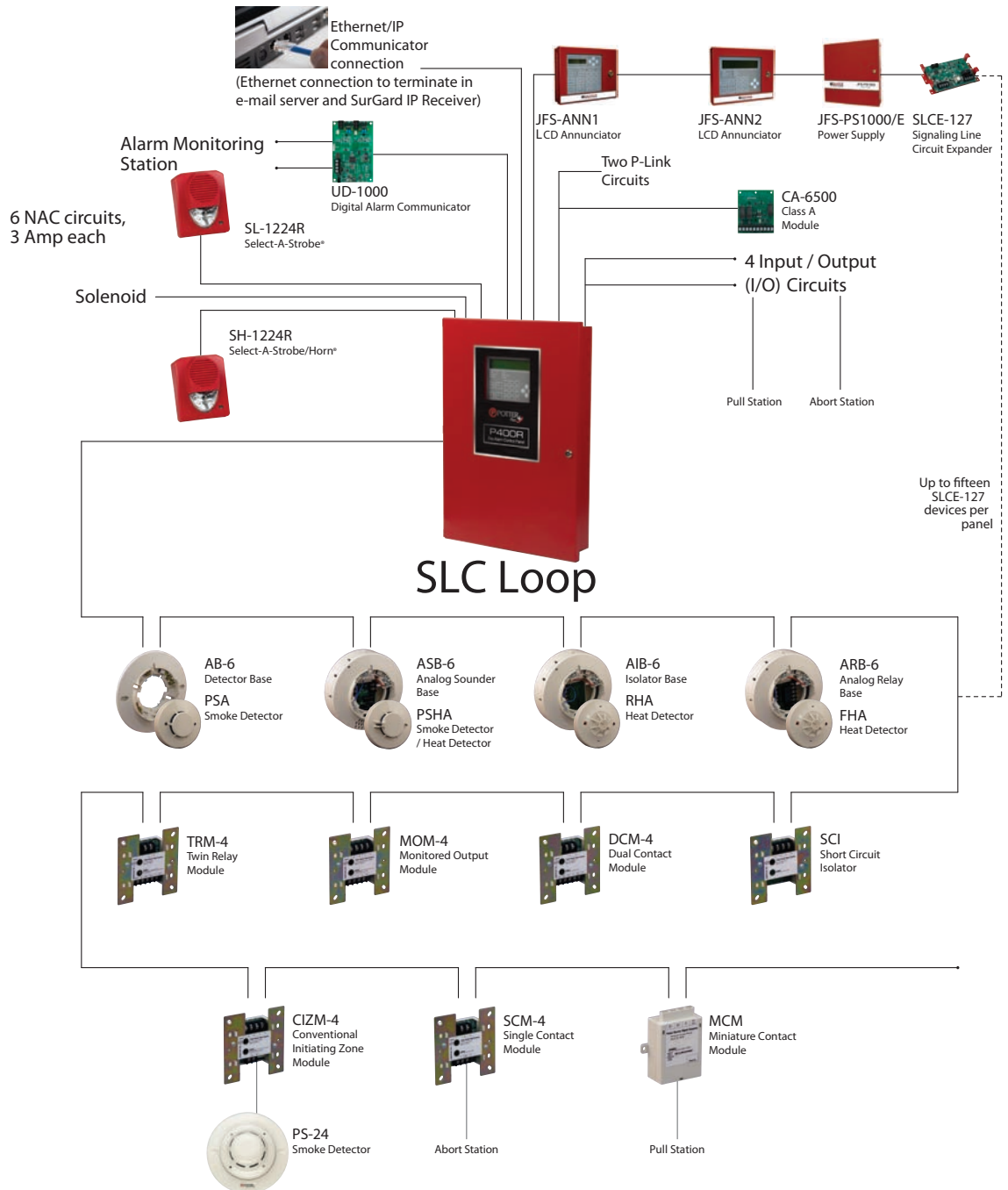
The NACs may be expanded using the JFS-PS1000 series intelligent power supplies. Each JFS-PS1000 adds another 10 Amps of power, 2 additional I/Os and the JFS-A2 will support up to 31 power supplies. The system will synchronize the strobe system wide. In addition, the JFS-PS1000E has space to allow the installation of up to six SLCE-127 SLC loop expansion cards. The cards mount on a stacker bracket that allows access to all SLC circuit connections.

The JFS-A2 has two P-Link communication buses available. Each will support up to thirty-one of any combination of annunciators, intelligent power supplies and other P-Link accessories.

SLC Loop Accessories

Current SLC Loop accessories, sensors, modules and P-Link devices are as shown in the diagram SLC Circuit Diagram below and listed on the following page.

SLC Circuit Diagram



SLC Loop Devices	
Device	Description
PSA	Analog Photo Electric Smoke Detector is a smoke detector with a listed obscuration of 1.02 to 3.83 percent per foot.
PSHA	Combination Analog Photo Electric Smoke/Heat Detector – a smoke detector with a listed obscuration of 1.02 to 3.83 percent obscuration and a fixed temperature 135° Fahrenheit heat detector
FHA	Analog Fixed Temperature Heat Detector that is selectable from 135° F to 185°F
RHA	Analog Rate of Rise Heat Detector that has a fixed temperature selection from 135°F and 174°F and also will alarm if the temperature increase 12-15°F in one minute
AB-6	6” round base that is mounted to an electrical box and wired for connection of one of the above sensors
AIB	Isolator base that interrupts a short in a SLC and prevents the short from affecting protected devices on the loop
ARB	Addressable Relay Base that contains two relays controlled by the SLC. One relay is rated at 8 amps at 240 VAC/30VDC and the other is rated at 2 amps 240 VAC/30 VDC
ASB	Addressable Sounder Base that contains an addressable sounder module that may be configured for local, group and all call. The sounder follows the pattern sent to the device.

Modules	
Device	Description
MCM	Miniature Contact Module provides a small foot print contact module for mounting inside an enclosure, typically used to monitor a pull station
SCM-4	Single Contact Module is a standard contact module with an LED that mounts into a 4” square electrical box. The contact monitors normally open contacts and the LED will provide an indication when the device has activated.
DCM-4	Dual Contact Module is a device that can monitor two distinct inputs with a single device or in a Class A mode. The DCM-4 mounts into a 4” square electrical box and has a cover plate with an LED as a status indication.
TRM-4	Twin Relay Module provides two form C relays that simultaneously active when the module is triggered by the control panel. Each relay is rated for 2 amps at 24VDC or 0.5 amps at 125VAC.
MOM-4	Monitored Output Module is a power switching module that monitors the circuit that is controlled by the control panel.
CIZM-4	Conventional Input Zone Module is used to connect conventional smoke detectors to the system that receive their power from the module. This module is like a conventional zone on the SLC.
SCI	Short Circuit Isolator interrupts a short on the SLC and prevents the short from affecting protected devices on the loop. These or the AIB are required in Class A, Style 7 installations.

P-Link Devices	
Device	Description
JFS-ANN1	Small LCD/keypad remote annunciator with a metal back box and key lock
JFS-ANN2	Large LCD/keypad remote annunciator with a metal back box and key lock
SLCE-127	Analog/Addressable loop expansion module
JFS-PS1000	10 Amp intelligent power supply/P-Link repeater
JFS-PS1000E	10 Amp intelligent power supply/P-Link repeater with enclosure for SLCE-127

Ordering Information		
Model Number	Description	P/N
JFS-A2 (P400R)	Addressable Releasing Control Panel (Red Cabinet)	98738
CA-6500	Class A Expansion Module	98730
UD-1000	Digital Alarm Communicator Transmitter	98729
BT-80	Battery, 12V 8AH (2 Req'd)	18641
BT-180	Battery, 12V, 18AH (2 Req'd)	18643
<i>NOTE: 12 AH Batteries will not fit in JFS-A2 cabinet. Use 18AH batteries where 12 AH are required.</i>		
Modules		
MCM	Miniature Contact Module	99244
SCM-4	Single Contact Module	99243
DCM-4	Dual Contact Module	99242
TRM-4	Twin Relay Module	99245
MOM-4	Monitored Output Module	99239
CIZM-4	Conventional Input Zone Module	99241
SCI	Short Circuit Isolator	99240
SLC Loop Devices		
PSA	Analog Photoelectric Smoke Detector	99238
PSHA	Combination Analog Photoelectric Smoke/Heat Detector	99237
FHA	Analog Fixed Temperature Heat Detector	99236
RHA	Analog Rate or Rise Heat Detector	99235
AB-6	6" Analog Smoke Detector Base	99234
AIB	Addressable Isolator Base	99233
ARB	Addressable Relay Base	99231
ASB	Addressable Sounder Base	99232
P-Link Devices		
JFS-ANN1	LCD Remote Annunciator Model JFS-ANN1 (Red)	99247
JFS-ANN2	LCD Remote Annunciator Model JFS-ANN2 (Red)	98725
SLCE-127	Loop Expansion Module, 127 Point	98737
JFS-PS1000	Remote Intelligent Power Supply	98802
JFS-PS1000E	Remote Intelligent Power Supply w/ Enclosure for SLCE-127	98728
Spare Components		
Model Number	Description	P/N
n/a	EOL Resistor/Diode Assembly for Releasing Circuit	18712
n/a	EOL Resistor, 5.1K	99950

Note: Approvals/Listings maintained by and manufactured by Potter Electric Signal Company.