



JFS-A1

ANALOG FIRE CONTROL PANEL



P/N 99248

Features

- 75 Analog/Addressable Points in Any Combination
- Does not require twisted or shielded wire
- Smoke Detector Drift Compensation and Maintenance Alerts
- 99 Software Zones
- NFPA 72 Compliant Smoke Sensitivity Test Built-In
- System Operates as Class A or Class B for SLC, P-Link and NACs
- 5 Amp Power Supply
- 2 NACS, Regulated, Rated at 3 Amps each
- 2 Input/Output (I/O) Circuits for system flexibility rated at 1 Amp each
- Strobe Synchronization and System Wide Sync for Potter/AMSECO®, Gentex®, Cooper Wheelock® and System Sensor® strobes
- Dedicated Alarm, Supervisory and Trouble Relays
- 1,000 Event History Buffer
- Dead Front Cabinet for Clean Look
- Cabinet will house up to 18 AH batteries
- Large LCD and Keypad for Ease of Operation
- Optional two line DACT with UD-1000 that can report General, Zone or Point
- P-Link Communication Line for Annunciators and Accessories
- Ethernet Port for Programming and Network Connectivity
- E-Mail System Status, Reports and Event Information

Description

The JFS-A1 is a powerful seventy-five point analog/addressable fire alarm control panel. The panel utilizes the Potter/Nohmi device protocol that has a complete line of initiating and control devices. The SLC is capable of 50 ohms of resistance and does not require the use of twisted or shielded wire. The seventy-five (75) points may be any combination of smoke sensors, heat detectors or modules.

The JFS-A1 has metal cabinet with a key lock and a dead front standard. The large viewing window allows easy viewing of the LCD and the standard LEDs. The keypad allows easy operation and navigation of the system menu.

The panel has a 5.0 amp power supply with two (2) notification circuits each rated and 3 amps and a two (2) programmable Input/Output (I/O) Circuits. All of the outputs are power limited, are power regulated and may be programmed for Potter/AMSECO, Gentex®, CooperWheelock® and System Sensor® strobe synchronization. The outputs may be configured for any combination of strobe brands and all will sync. The outputs also may be configured for door holder power, auxiliary power and constant power. The I/O circuits may programmed as a dry contact input as well.

The panel has auto-programming that will not affect the existing system when adding or deleting a device. The system is capable of 99 software zones, cross zoning and counting zones. The panel is fully programmed from a PC based software program that will work with Microsoft XP, Vista or Windows 7.0 operating systems.

The system support a digital alarm communicator transmitter (UDACT-1000) that is programmable for a single line or dual line reporting. The UDACT is programmable to send Ademco Contact ID or SIA DCS protocols. The UDACT is programmable to communicate with up to five different receivers with primary and secondary numbers for each. The UDACT neatly mounts under the display with minimal installation time. The UDACT has RJ-45 connections for quick connection to the telephone lines.



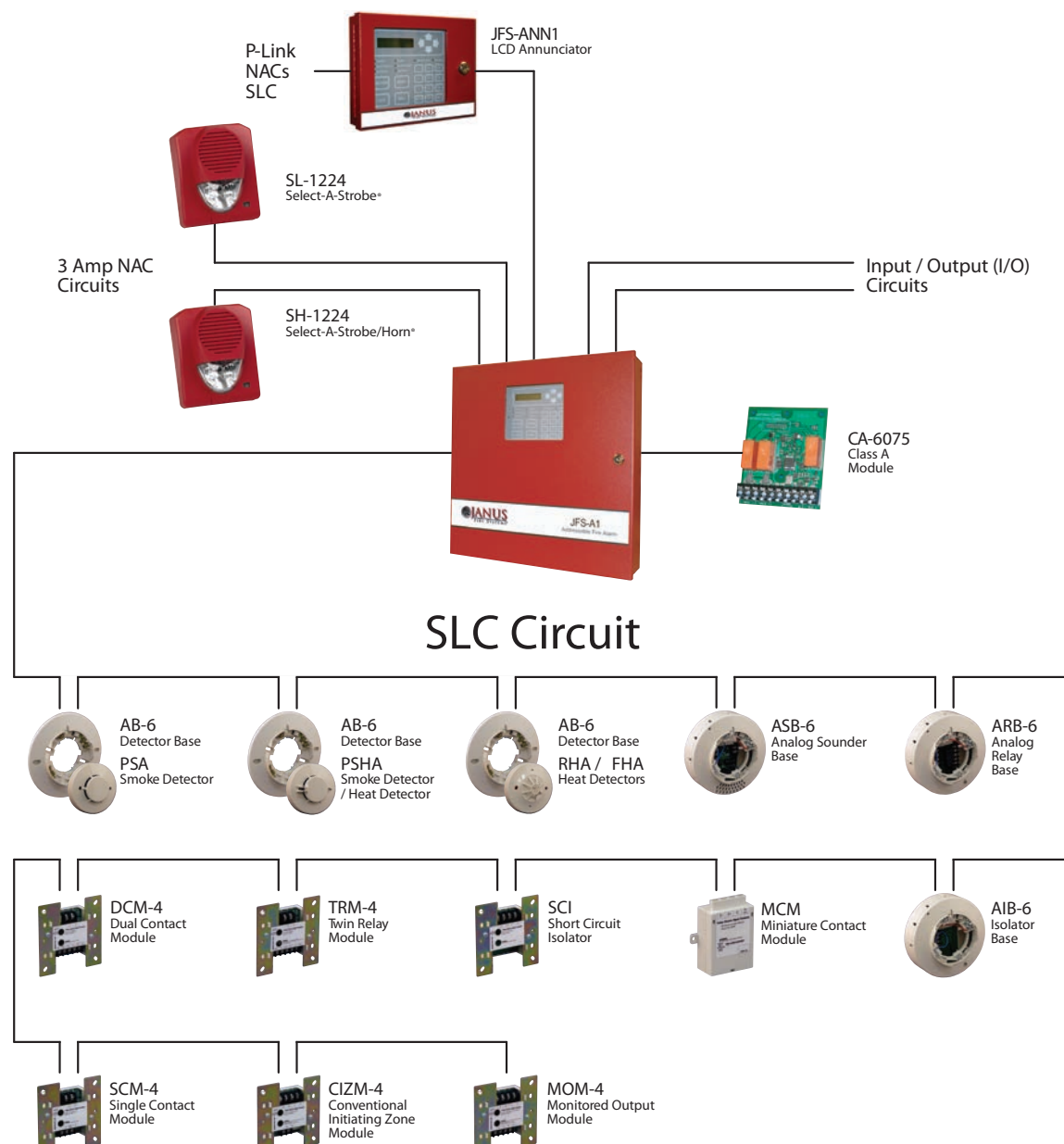
The complete system may be converted to Class A with a CA-6075 module. The CA-6075 provides the hardware necessary to convert the remote annunciators through the Potter P-Link connection protocol, the NACs and the SLC to Class A operation.

The panel has an Ethernet connection for programming and network connectivity. The system uses a simple patch cable for connecting a PC to the panel. In addition, the system may be connected to a building network and programmed while on the network. The system has a built in e-mail function and may be programmed to send reports as desired as well as condition of the system

SLC Loop Accessories

The control panel may be connected with up to seventy-five (75) addressable devices or modules in any combination. The SLC is not restricted by any special wire requirements and may be wired with any wire that complies with the NEC.

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.



Ordering Information

Model Number	Description	P/N
JFS-A1	Analog Releasing Control Panel (Red Cabinet)	99248
JFS-ANN1	LCD Remote Annunciator Model JFS-ANN1 (Red)	99247
JFS-ANN2	LCD Remote Annunciator Model JFS-ANN2 (Red)	98725
F2A124	Handheld Programmer	98849
BT-80	Battery, 12V 8AH (2 Req'd)	18641
BT-180	Battery, 12V, 18AH (2 Req'd)	18643
BT-260	Battery, 12V, 26AH (2 Req'd) (Must be housed in BCA Battery Cabinet (P/N 98024))	18644
BCA	Battery Cabinet (for 26 AH batteries or larger)	98024

NOTE: 12 AH Batteries will not fit in JFS-A1 cabinet. Use 18AH batteries where 12 AH are required.

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

Spare Components

Model Number	Description	P/N
n/a	Spare CPU	98948
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.

The seller makes no warranties, express or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose, except as expressly stated in the seller's sales contract or sales acknowledgment form. Every attempt is made to keep our product information up-to-date and accurate. All specific applications cannot be covered, nor can all requirements be anticipated. All specifications are subject to change without notice.



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