PFC-9000 SERIES
ANALOG/ADDRESSABLE
FIRE ALARM CONTROL PANEL

MEA approved

*Call for Additional Listings

Model No.	Stock No.
PFC-9000 Analog/Addressable Fire Panel 381 Points	3992150
PFC-9100 Same as above with UDACT	3992155

- Simplistic Expansion
- Each Analog Loop is capable of supporting 127 Analog Sensors and Addressable Modules which can be wired in Class A (Style 6 or 7) or Class B (Style 4)
- Optional single or dual loop adders available for a total of 381 points.
- Programmable Drift Compensation
- 12 Amp power supply
- Four Class A/B (Style Z/Y) Indicating Circuits rated at 1.7 Amps each
- 6 standard output tones
- Three level password protection with field programmable definition which enables the installer to determine what functions are accessible for each password level.
- Interrupt Polling of devices on addressable loop
- Queues available for Alarm, Supervisory, Monitor and Trouble with selector switches and LED's
- Auxiliary relay contacts for Common Alarm, Common Supervisory and Common Trouble
- RS-232 output for remote system printer or CRT
- Two Event History Logs comprised of a 1000 Alarm related events and a 2000 Event Log for all events.
- Front Panel Auto-Configure and/or Computer laptop Programmable
- Large 4 by 20 character Back-lit LCD Display with user friendly menu
- Common Control switches and/or indicating LEDs for System Reset, Signal Silence, Fire Drill, Lamp Test, A.C. On, Pre-Alarm and Ground Fault
- Two spare configurable input switches
- Built-in One Man Walk Test operation
- Panel selection for Canadian (ULC) or U.S.A. (UL) requirements for smoke sensors (sensitivity) via computer laptop
- Removable door for easy installation and servicing
- Removable terminal blocks for easy wiring and servicing
- Wide variety of wiring options, great for retrofits
- Remote upload/download of history and DACT configuration

Description

Potter's PFC-9000 Series Analog/Addressable Fire Alarm Control Panel is designed to provide the maximum flexibility of an addressable while providing easy installation and operation that is cost effective. All of the sensors are analog and communicate with the control panel. The sensors may be programmed with drift compensation as well as full sensitivity adjustment.

The PFC-9000 base panel is a 381 point analog/addressable panel. It is configured from the manufacturer at 127 points with the capability of expansion of two additional 127 point loops. The panel is capable of expanding to three loops, each providing 127 points for a total of 381 points. The loops will support any combination of sensors and modules. The loops can be wired either Class A (Style 6 or 7) or Class B (Style 4). There is no need for special wiring, therefore the panel is great for retrofit applications as well as new installs.

The base panel has a large 12 amp power supply, which 10 amps are available to the notification circuits. The base panel has four standard notification circuits that are rated at 1.7 amps each and can be wired Class A or B (Style Z or Y).

The display is a large, easy to read 4 line by 20 character Backlit Alphanumeric LCD that can be viewed with the door closed. The PFC-9000 utilizes a simplistic Menu System complete with a directional keypad, common controls, LED's, and switches. The cabinet will store up to 18 AH batteries and the door is removable.

Specifications

Input- 120/220 VAC @ 50/60 Hz; Up to 4 Amps (220 VAC not UL listed)
Output- 24 VDC up to 12 Amps; 1.7 Amps auxiliary power
Charging Capability- 17-40 AH batteries
Service Use- NFPA 72 Local, Remote Station,Central Station, Waterflow/Supervisory

Auxiliary Adder Modules

Potter UDACT-9100 Digital Alarm Communicator Module
The UDACT-9100 Digital Alarm Communicator Module allows the PFC-9000 to transmit addressable point information to a central station. Hardwired points will also be transmitted as zones to the central station. The UDACT-9100 uses the Ademco Contact ID and SIA-DCS protocols. The UDACT-9100 occupies one module slot in the PFC-9000 main chassis. Requires CFG-LCD to program.

Potter PR-5000 Polarity Reversal/City Tie Module

The PR-5000 Polarity Reversal/City Tie Module provides the system with a supervised City Tie (24 VDC/200 mA max.) and Polarity Reversal connection (24 VDC (open circuit), 8 mA max. (shorted)). The PR-5000 mounts in the PFC-9000 main chassis.

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ARM-9008 Hardwire Relay Adder Module
The ARM-9008 is an eight relay card module. The configuration software allows the user to program any or all of the eight form C relays to any input. Each relay is rated 1 amp at 28VDC. The ARM-9008 occupies one space on the PFC-9000 main chassis or can be stacked on top of the UDACT if additional space is required for additional modules.

IDC-9004 Four Zone Notification Appliance Circuit Adder Module
The IDC-9004 provides 4 additional Class A (style Z) or class B (style Y) NAC's rated at 1.7 amps each. The NAC's are programmed in the configuration software as either a strobe or signal circuit and silenceable or not. The IDC-9004 occupies 1 space on the PFC-9000 chassis.

ZA-9008 Eight Conventional Zone Adder Module
The ZA-9008 provides either 8 Class B (style B) or 4 Class A (style D) conventional hardwire initiating zones. The zones may be programmed as alarm, supervisory, or several other input types allowed by the configuration software. Any of the zones may be correlated to any or all

of the outputs. The ZA-9008 occupies 1 space on the PFC-9000 chassis or can be stacked on top of the UDACT if additional space is required.

SLA-127P Single Loop Adder Card
The Single Loop Adder Card provides an additional 127 analog addressable points to the base for a total of 254. The additional points are programmed through the configuration software. The SLA-127P occupies the far right space on the PFC-9000 chassis. Only one loop adder, SLA-127P or DLA-254P, can be added to the PFC-9000 panel.

DLA-254P Dual Loop Adder Card
The Dual Loop Adder provides two additional loops with 127 points per loop to the base panel for a total of 381. The loops are fully analog addressable and support any combination of 127 sensors or modules. The DLA-254P occupies the far right space on the PFC-9000 chassis. Only one loop adder, SLA-127P or DLA-254P, can be added to the PFC-9000 panel.

Ordering Information

Stock No.	Model	Description
3992150	PFC-9000	Analog Panel w/ 12 Amp Power Supply, 127 points, Complete with PFC9000CAB enclosure.
3992155	PFC-9100	Same as above with UDACT
	Chassis	
3992030	PFC-9000	Main motherboard and transformer ready to mount in cabinet.
	Auxiliary Modules	
3992500	UDACT-9100	Digital Alarm Communicator Transmitter/Dialer Module
3002100	PR-5000	Polarity Reversal/City Tie Module
3992200	SLA-127P	Single loop adder, adds 127 additional points. Occupies one module space on PFC-9000
3992195	DLA-254P	Dual loop adder, adds 254 addtional points. Occupies one module space on PFC-9000
3002160	ZA-9008	8 conventional zone adder module. Occupies one module space on PFC-9000
3002165	IDC-9004	4 indicating circuit, NAC, adder module. Occupies one module space on PFC-9000
3002170	ARM-9008	8 auxiliary relay module. Occupies one module space on PFC-9000
	Remote Shared Display Annunciators	
3992055	RA-LCD	Remote Shared Display LCD Annunciator c/w Display Queues and Common Controls
	Remote Annunciators	
3992045	RA-LED32	Main Annunciator Chassis c/w Common Control Features, Indicators and 32 Bi-Colored LEDs
3992050	RA-LED48	Adder Annunciator Chassis c/w 48 Bi-Colored LEDs
3002140	PRTI-1	Remote Trouble Indicator
	Graphic Annunciator Driver Modules	
3992060	PGD-32	Master Graphic Driver Module c/w Fire Alarm Common Control Switch Inputs and 32 Supervised Outputs
3992065	PGD-48	Adder Graphic Driver Module c/w 48 Supervised Outputs
	Devices	
1430002	AHD	Analog/Addressable Heat Detector
1430003	AIS	Analog/Addressable Ionization Smoke Sensor
1430004	APS	Analog/Addressable Photoelectric Smoke Sensor
1430005	ASB-6	Analog/Addressable Base
1430021	DRM-4	Dual Relay Module
1430022	FRCM-2	Mini Contact Module
1430023	FRCM-4	4" square Contact Module
1430024	PSCI	Short Circuit Isolator
1430025	SOM-4	Supervised Output Module
	Enclosures	
3992035	PFC-9000CAB	Backbox enclosure for PFC-9000 Series c/w removable door and lock. Houses one PFC-9000 Compact Main Chassis and up to 18 AH batteries.
3992075*	BB-1 Red	1 slot annunciator backbox c/w lockable door and window for single Annunciator.
3992080*	BB-2 Red	2 slot annunciator backbox c/w lockable door and window for dual Annunciator.
3992085*	BB-3 Red	3 slot annunciator backbox c/w lockable door and window for triple Annunciator.
	Programmers	
3992505	CFG-LCD	Programmer for UDACT
1430028	TCH-B100	Hand held device programmer
3992090	UIMA	USB programming interface module, connects laptop to PFC9000

* White available - call for part numbers

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UDACT-9100
To Remote
Monitoring
Station

TELCO

4 NACS 1.7 Amps Each

SL-1224   H-1224   SH-1224

LAPTOP

OR

RS-485

Up to 8
RA-LCD or
RA-LED 32
(Cabinet
not included)

RA-LCD
(Cabinet
not included)

RA-LED 32
&
RA-LED 48

Loop 0

PFC Series
Analog/Addressable
Fire Alarm Panel

Loop 2 (DLA-254P, additional 254 points)

Loop 2 (SLA-127P, additional 127 points)

Loop 1 (127 points)

ZA-9008
8 Zone
Conv. Card

IDC-9004
4 Zone NAC
Card

ARM-9008
8 Relay Card

PRINTER

FRCM-2   FRCM-4

APS   AIS   PSCI   AHD

P32   VSR

APS   AIS   PSCI   AHD   DRM-4   SOM

Auxiliary
Power
Supply

APS   AIS   PSCI   ADSD   REMOTE
TEST   BELL

MAX Loop Length (50 Ohms), 3,900 ft - 18 AWG Wire, 15,000 ft - 12 AWG Wire