



Stock number: 3992010

Optional Modules

- UDACT-9100 Digital Communicator
- PR-5000 Polarity Reversal and City Tie Module
- ARM-4 Quad Relay Module
- ARM-8 Eight Relay Module

- 2 Class B (Style B) Initiating Circuits which may be configured as 1 Class A (Style D) circuit.
- 2 Class A/B (Style Z/Y) Indicating Circuits with individual trouble indicators 1.7 Amp max. per circuit (2.0 Amp total)
- Each Indicating Circuit can be configured as Silenceable or Non-Silenceable
- Audibles may be configured as Steady, Temporal Code, California Code or March Time
- A.C. ON LED (Green)
- Ground Fault LED (Amber)
- Battery Trouble LED (Amber)
- Individual Zone Disconnect Switches Interface for Remote Trouble Indicator
- Built-in Walk Test operation
- Selectable Alarm Verification on Initiating Circuits
- Auxiliary relay contacts for Common Alarm and Common Trouble
- 2.75 Amp Power Supply
- Output for 4-wire resettable regulated smoke power supply of 24 VDC 100mA maximum.
- Output for PRTI of 24VDC, 300mA max, unfiltered
- Extensive Transient Protection
- Easy configuration via DIP switches

Potter's PFC-5002 Fire Alarm Control Panel is a microprocessor based unit designed for small commercial, residential, multi-family, institutional and industrial occupancies. Fully configurable using DIP switches, it enables the user to configure the system to meet their specific requirements.

The PFC-5002 comes standard with 2 Class B (Style B) Initiating Circuits which may be configured as 1 Class A (Style D) circuit. In addition it comes equipped with 2 Class A/B (Style Z/Y) Indicating circuits which are each rated at 1.7 Amps. The panel also includes a 2.75 Amp Power Supply which powers the system and supplies a 4-wire resettable regulated smoke power supply of 24 VDC 100mA maximum.

The PFC-5002 utilizes a simple DIP switch configuration which allows for the programming of the initiating and indicating circuits as well as the enabling and disabling of system functions such as Signal Silence, Fire Drill and Auxiliary Disconnect. In addition the PFC-5002 allows for Alarm Verification on the Initiating circuits. The Indicating circuits may be configured as Silenceable or Non-Silenceable with the audibles configured for Steady, March-Time, Temporal Code, or California Code.

The cabinet is available in a red exterior only. A Fire Retardant Lexan Window in the door allows for viewing of the status LEDs.

Specifications

Electrical Requirements

Primary Input Power: 120 volts, 60 Hz, 2 Amp maximum

Indicating Current: 24VDC unfiltered, 2.5 Amps maximum

Standby Power: 24VDC

Batteries Charging Capability: 4 - 12 AH Batteries

Space is provided for two 8 AH batteries.

Dimensions

12 3/4"H x 13 3/4"W x 3 1/8"D

Architects & Engineering Specification

The fire alarm control panel shall be a two-zone fire panel UL listed to meet the requirements of UL Standard 864. The panel shall also have the CSFM listing and New York MEA approval. The panel shall utilize a microprocessor and be configurable via selectable dipswitches. The panel shall have two Class B initiating zones that may be configured as one Class A initiating zone. Also, the panel shall have two 24 VDC unfiltered Class A/B indicating zones that may be configured as silenceable or non-silenceable. The audibles shall be capable of being configured as steady, march time, temporal or California Code.

The panel shall have common LED's to indicate AC power on, common alarm, common supervisory, common trouble, battery trouble, ground fault, remote trouble and test. Switches shall be provided to disconnect each initiating zone individually. In addition, switches shall be provided for signal silence, fire drill, auxiliary disconnect, system reset, buzzer silence and lamp test. The panel shall have three sets of form C relays for common trouble, common supervisory and common alarm.

The panel shall be capable of supporting one DACT, Polarity Reversal/ City Tie Module or Relay Module. The cabinet shall be constructed of 18 gauge cold rolled steel and have a removable door. In addition, the door shall have a lock installed. Provisions shall be provided for a remote trouble indicator. In addition, the panel shall have resettable power for four wire smoke detectors.

Ordering Information

Part No.	Model No.	Description
3992010	PFC-5002	Two Zone Microprocessor Based Fire Alarm Control Panel c/w 2 Class B (Style B) or 1 Class A (Style D) Initiating Circuit(s), 2 Class A/B (Style Z/Y) Indicating Circuits and a 2.75 Amp Power Supply. Allows for one UDACT-9100 Digital Communicator or one PR-5000 Polarity Reversal Module or one ARM-4 or ARM-8 Relay Adder Module. Red enclosure c/w keylock door.
3002140	PRTI-1	Remote Trouble Indicator
Adder Modules		
3992500	UDACT-9100	Digital Alarm Communication Transmitter/Dialer Module (Requires CFG-LCD)
3002100	PR-5000	Polarity Reversal/City Tie Module
3992505	CFG-LCD	Programmer for UDACT
3002120	ARM-4	Auxiliary Relay Module c/w 4 configurable relays
3002125	ARM-8	Auxiliary Relay Module c/w 8 configurable relays (Note: Only one adder module can be used with the PFC-5002)
Batteries		
5130092	BT-40	12 Volt, 4 Amp/Hr. Battery - 2 pcs required per panel
5130084	BT-80	12 Volt, 8 Amp/Hr. Battery - 2 pcs required per panel