



PFC-5004E Stock No. 3992020



MEA
approved

Optional Modules

- DACT-5000 Digital Communicator
- PR-5000 Polarity Reversal and City Tie Module
- ZA-42 Zone Adder Module
- ARM-4 Quad Relay Module
- ARM-8 Eight Relay Module

Features

- 4 Class B (Style B) Initiating Circuits which may be configured as 2 Class A (Style D) circuits. Expandable up to 8 Class B (Style B) or 4 Class A (Style D) Initiating Circuits
- 2 Class A/B (Style Z/Y) Indicating Circuits with individual trouble indicators (1.7 Amps max. per circuit.) Expandable up to 4 Class A/B (Style Z/Y) Indicating circuits
- Each Indicating Circuit can be configured as Silenceable or Non-Silenceable
- Audibles may be configured as Steady, Temporal Code, California Code or March Time
- Predefined Initiating Circuits can be configured as Waterflow or Latching/Non-Latching Supervisory
- Auxiliary relay contacts for Common Alarm, Common Trouble and Common Supervisory.
- If no Supervisory circuits are enabled, the Supervisory relay becomes a second Alarm relay.
- Zone Disconnect Switches
- Built-in RS-485 Interface for RA8F Multiplexed Remote Annunciators (Up to 3 Annunciators)
- Interface for Remote Trouble Indicator
- Built-in Walk Test operation
- Auto Signal Silence
- Selectable Alarm Verification on Initiating Circuits
- 5 Amp Power Supply
- Output for 4-wire resettable regulated smoke power supply of 24 VDC 100mA maximum.
- Output for PRTI or Remote Annunciators of 24VDC, 300mA max, unfiltered
- Extensive Transient Protection
- Easy configuration via DIP switches

Potter's PFC-5004E Fire Alarm Control Panel is a microprocessor based unit designed for small to medium commercial, residential, institutional and industrial occupancies. Fully configurable using DIP switches, it enables the user to configure the system to meet their specific requirements.

The PFC-5004E comes standard with 4 Class B (Style B) Initiating Circuits which may be configured as 2 Class A (Style D) circuits. In addition, it comes equipped with 2 Class A/B (Style Z/Y) Indicating circuits which are each rated at 1.7 amps. The PFC-5004E can be expanded up to 8 Class B (Style B) or 4 Class A (Style D) Initiating Circuits and 4 Class A/B (Style Z/Y) Indicating circuits with the addition of a ZA-42 Adder Circuit Module. The panel also INCLUDES A 5 Amp Power Supply which powers the system and

supplies a 4-wire resettable regulated smoke power supply of 24 VDC 100mA maximum.

The PFC-5004E utilizes a simple DIP switch configuration for programming initiating and indicating circuits as well as the enabling and disabling of system functions such as Signal Silence, Fire Drill and Auxiliary Disconnect. Some predefined initiating circuits can optionally be configured Waterflow or Latching/Non-Latching Supervisory. In addition, the PFC-5004E 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 PFC-5004E is equipped with auxiliary relay contacts for Common Alarm, Trouble and Supervisory. If no Supervisory circuits are enabled, the Supervisory relay becomes a second Alarm relay. The cabinet is available in a beige color for the Canadian market and a red exterior for the U.S. and International markets.

A Fire Retardant Lexan Window in the door allows for viewing of the status LEDs. Space is provided for up to 12 AH batteries.

Specifications

Primary Input Power: 120 volts, 60 Hz, 4 Amp maximum

Indicating Current: 24VDC unfiltered, 5 Amps maximum

Standby Power: 24VDC Standby Batteries

Charging Capability: 4 - 24 AH Batteries

Dimensions

14 7/8"H x 14 1/2"W x 5"D

Ordering Information

Stock No.	Model No.	Description
3992020	PFC-5004E	Four expandable to Eight Zone Microprocessor Based Fire Alarm Control Panel c/w 4 Class B (Style B) or 2 Class A (Style D) Initiating Circuits, 2 Class A/B (Style Z/Y) Indicating Circuits and a 5 Amp Power Supply. Expandable up to 8 Class B (Style B) Initiating Circuits or 4 Class A (Style D) and 4 Class A/B (Style Z/Y) Indicating Circuits. Allows for one DACT-5000 Communicator or one PR-5000 Priority Reversal Module
3002140	PRTI-1	Remote Trouble Indicator
Adder Modules		
3002115	ZA-42	Four Class B (Style B) or Two Class A (Style D) Initiating Circuit and 2 Class A/B (Style Z/Y) Indicating Circuit Module
3002105	DACT-5000	Digital Alarm Communication Transmitter/Dialer Module (Requires CFG-5000)
3002100	PR-5000	Polarity Reversal/City Tie Module
3002110	CFG-5000	Configuration and Diagnostics Tool for the DACT-5000
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 of a DACT-5000 or PR-5000 module can be used with the PFC-5004E)
Remote Annunciator		
3002135	RA8F	Remote Multiplex Annunciator c/w Common Control Features, Indicators and 8 Bi-Colored LEDs <i>Controls:</i> Signal Silence, Buzzer Silence, Lamp Test & System Reset <i>Indicators:</i> A.C. On, Common Trouble & Signal Silence
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
5130090	BT-120	12 Volt, 12 Amp/Hr. Battery - 2 pcs required per panel