



Conventional Fire Alarm Control Panel

PFC-3002
2 Zone Conventional
PFC-3005
5 Zone Conventional

Phone: 888-673-2900 • Local: 309-755-6352 • Fax : 309-755-8310 • E-mail: inquire@globalfirecontrol.com

Description

The PFC-3002 or PFC-3005 includes one circuit board providing all the essentials for a complete fire alarm system. Two or Five Class 'B' initiating circuits and two Class B indicating circuits are provided respectively. The indicating circuit is protected from shorts by self-restoring circuitry. Supervision includes ground fault detection, battery low level or open wire fault, initiating and indicating circuit wiring faults and loss of A.C. power. Initiating circuits are supervised for opens and ground faults. Indicating circuits are supervised for opens, shorts and ground faults. LED indicators are provided for Zone Alarm, Zone Trouble, A.C. On, Battery Fault, Ground Fault, Common Trouble, Signal Trouble and Signal Silenced. Switches are provided for Zone disconnect/silence, trouble silence and reset. Upon a trouble condition, the trouble LED will flash and the trouble audible signal will pulse. Activating the "Trouble Silence" switch silences the trouble signal and the "Trouble" LED remains flashing.

When the trouble condition clears, the common trouble LED restores to normal and the common trouble buzzer resounds steady until the Trouble Signal silence switch is returned to normal. The alarm signals cannot be silenced for one minute if the one minute inhibit feature has been selected jumper selectable. The common alarm relay can follow the signal circuit or lock on until the Alarm has been reset. This option is jumper selectable. Annunciation outputs are provided for alarm, remote trouble indicator and buzzer. Lamp supervision is jumper selectable. The PFC-3000 series controls are behind a durable locked door. The cabinet will accommodate a 4 or 6AH battery pack.



Features

- UL & ULC Listed
- MEA and CSFM Approved
- Five Class 'B' initiating circuits
- Two Class 'B' indicating circuit
- Individual Zone Silence/Disconnect switches
- Powerful 3mA capacity/zone for 2-wire smokes
- Alarm Relay, Form C, 28 VDC @ 3 AMP-resistive
- Selectable N.O. or N.C. trouble contact, 28 VDC @ 3 Amp (Resistive)
- A.C. ON LED (Green)
- Zone Alarm LED (Red)
- Signal Trouble LED (Amber)
- Remote Lamp Fail LED (Amber)
- Ground Fault LED (Amber)
- Battery Fault LED (Amber)
- Alarm Silenced LED (Amber)
- Common Trouble LED & Silence switch
- Remote Trouble Indicator output
- Remote A.C. On output
- Selectable 1 minute Signal silence inhibit
- Extensive Transient Protection on all circuits
- Red exterior color
- Annunciator Outputs available
- All circuits are power limited
- Manufactured by Potter

Construction Specification

Housing: Sheet Metal
Finish: Red
Weight: 14 lbs
Dimensions: 13.7"W x 12.7"H x 2.8"D

Electrical Specification

Initiating Circuits

Output Voltage: 22 VDC, filtered and regulated.
Current Limited: 50 mA
Supv. Current: 3 mA (up to 30, 2-wire
smokes @ 100 uA each)
Loop Resistance: 100 ohms, max
EOL Resistor: 3.9Kohm + 5%, 1/2W

Indicating Circuits

Output Voltage: 24 VDC
Output Current: 1.25A
EOL Resistor: 3.9Kohm + 5%, 1/2W
Aux. Contacts: 28 VDC, 3A (Resistive)

Ordering Information

PFC-3002	2 zone conventional FACP
PFC-3005	5 zone conventional FACP
PRTI-1	Remote Trouble indicator, mounts onto a single gang electrical box
PFC-3000TR 12V7.2AH	Flush Mounting Trim Ring 12 Volt battery, 7.2AH (2 needed)

Specifications are provided for information only and are believed to be accurate. GFC assumes no responsibility for their use. Data and design are subject to change without notice. Installation and wiring instructions are shipped with the products and should always be used for actual installation. For more information, contact your Sales Representative.



Global Fire Control, Inc.

1201 7th Street, #103
East Moline, IL 61244
(T) 888-673-2900 or
(T) 309-755-6352
(F) 309-755-6352
www.globalfirecontrol.com