Features

- Multi-Hazard Capability
- Seven Programmable Class B Initiating Circuits
- Four Class B Output Circuits
- Programmable Cross Zoning including AND/OR capability
- Supervised Microprocessor
- 4 x 20 LCD display with 37 system status LEDs
- Integrated Battery Meter
- On Board Menu Driven Programming Controls
- Releasing Circuits Protected From False Activation
- 4000 Event History Buffer
- Walktest with Automatic Time-out
- Alarm, Trouble, Supervisory, and Waterflow/Discharge confirmation relays
- Up to 35 standard programs in panel memory
- Password protection
- Suitable for agent and/or water-based extinguishing
- Programmable pre-discharge and soak timers
- Ethernet port for programming and network connectivity
- Five Abort modes

Description

The Potter Model PFC-4410G3 is a coventional multi-hazard releasing control panel well suited for a number of applications. The PFC-4410G3 is listed for use with pre-action and deluge sprinkler suppression systems and agent based fire suppression systems.

The panel utilizes a microprocessor-based system that has up to 35 standard programs in panel memory, which covers a majority of installations. The simple to follow Menu Structure programs the entire system in a matter of seconds. In addition to the Standard Programs, the panel allows custom programming to accommodate any installation. Programming is accomplished either through the menu driven on-board controls or from a laptop via the Ethernet connection.

The PFC-4410G3 is housed in a red durable steel cabinet with removable door and key lock. An optional flush mount trim ring is available. The cabinet contains knockouts on the side, back and top of the cabinet to ease installation. In addition, the cabinet will house up to 12 amp-hour batteries that will provide in excess of 90 hours of standby power.

Technical Specifications

Battery Capacity	Up to two (2) 12Ah batteries
Battery Charge	Up to 1A
Dimensions	18 ¼" x 14 ½" x 4 ¾"
Enclosure	18 AWG cold rolled steel, locking removable door, full dead front, multiple 1/2" and 3/4" knockouts
Environmental	Indoor use only, 32-120 F (0-49C) 95% relative humidity
Power Requirement	120-240 VAC 50/60 Hz
Standards/Service	UL 864-11, ULC S527-19, NFPA 12, 12A, 13, 15, 16, 17, 17A, 72, 750, 2001, FM, CSFM, CE, RoHS III

User Interface

The panel has a 4 x 20 LCD display to provide system status information and aid in programming. The full function keypad includes navigation arrows to allow manipulation of the on-board menu and for scrolling through multiple events. In addition to the LCD, the panel also has alarm, trouble and supervisory LEDs per zone, alarm and trouble LEDs per output, and the following system status LEDs:

POWER

POWER TROUBLE

EARTH FAULT

ALARM

TROUBLE

SUPERVISORY

SIGNAL SILENCED

DISCHARGE/PREDISCHARGE

P-Link

The PFC-4410G3 contains the Potter proprietary communication protocol through RS-485 connections to expansion and field devices. The devices may be any of the following:

RA-4410G3 - Remote annunciator consisting of the same user interface and controls as the main panel.

IDC-6 - Six initiating zone expansion module.

LED-4410G3 - 16 LED annunciator with common indicators in a lockable metal enclosure.

PSN-1000 - 10 amp intelligent remote power supply.

RLY-5 - Relay module, provides 5 form C relay contacts rated 1A at 24 VDC/125 VAC
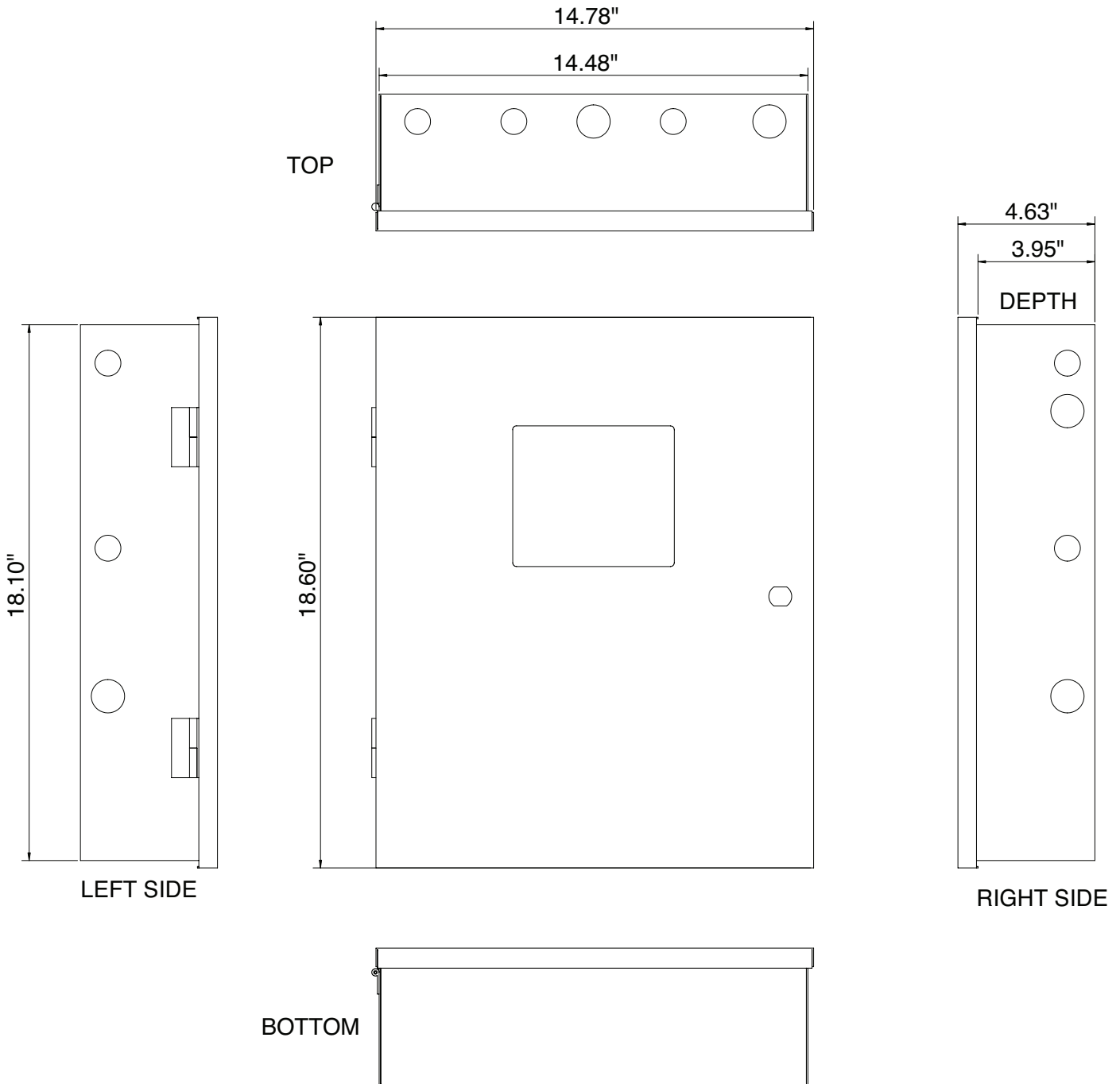
CA-4064 - Class A module for NAC and P-Link

Ethernet Connection

The PFC-4410G3 is shipped standard with an Ethernet connection. This connection can be used as a programming port and may be connected to a building Wide Area Network (WAN) or Local Area Network (LAN). Once connected to the Internet, the panel may be selectively programmed to email system alarm, trouble or supervisory conditions, test or event history. In addition, reminders may be set to send an email for service, testing or other conditions

NOTICE
Some electronic components used in releasing control panels have a typical service life of approximately 10 years. The service life may be reduced by local environmental conditions.

The Symbol of Protection

Dimensions

14.78"

14.48"

TOP

4.63"

3.95"

DEPTH

LEFT SIDE

18.10"

18.60"

RIGHT SIDE

BOTTOM

Engineering Specifications

Ordering Information

Model	Description	Stock No.
PFC-4410G3	4 Zone Releasing Control (Red Cabinet)	3006735
PFC-4410G3-PCA	Replacement Motherboard	3006739
PFC-TR	Bezel for Semi-Flush Mounting (Red)	5090155
BT-80	Battery, 12V 8AH for 24 hour standby (2 Req'd)	5130084
BT-120	Battery, 12V 12AH for 24 hour standby (2 Req'd)	5130090
BT-180	Battery, 12V, 18AH for 90 hour standby (2 Req'd)	5130086
CA2Z	2 Zone Class A Initiating Circuit Module	3006013
ARM-1	Auxiliary Relay Module	3004726
RLY-5	5 form C relay module	3992667
RA-4410G3	Remote Annunciator	3006740
IDC-6	6 Initiating Zone Expansion Module	3992362
CA-4064	Class A NAC and P-Link Module	3992361
RCDS-PM1	Panel Mount Release Circuit Disconnect, Single Switch	3001013
RCDS-PM2	Panel Mount Release Circuit Disconnect, Double Switch	3001014
LED-4410G3	16 LED Annunciator	3006743
PSN-1000	10 AmpIntelligent Power Supply	3992662