POTTER
The Symbol of Protection

Stock number: 3006400

UL, cUL, & CSFM Listed, FM Approved, MEA Accepted

Dimensions:
8-1/4" W x 4-1/2" H x 1" D (Approximate)

Enclosure:
Stainless steel plate with clear plastic shield protecting zone
and output identification labels.
Mounts in 4 gang box.
For surface mounting use back box stk# 3006401

Environmental Specifications:
Indoor use only
Temperature range 32°F to 120°F (0°C to 49°C)
93% Humidity

Electrical Requirements:
24VDC 10 mA standby/ 13 mA alarm / 26 mA max. (lamp test)
RS-485 Communication: (Two wire Shielded cable required).
Ground drain wire to S terminal on PFC-4410RC Panel only.
Max. Distance: 2000 ft. using 22 ga. wire and 4000 ft. using 20 ga. wire.

Operation

The RA-4410RC remote annunciator is designed to operate with the PFC-4410RC releasing control panel. The unit mounts to a 4 gang box. There are 34 LED's to indicate a change in panel status. There is a buzzer on the annunciator that sounds for any trouble or supervisory condition. Pressing the LAMP TEST button illuminates all of the lamps. The release panel supervises and communicates with the annunciator via separate connections for the RS-485 communication and the 24VDC power requirements of the RA-4410RC. Separate cables should be used for power and communication. Shielded cable must be used for the communication line. Up to four annunciators can be connected to one panel. A Rotary switch is provided on the panel to indicate how many annunciators are connected. Another rotary switch is on the annunciator to set the address. The annunciators must be addressed consecutively.

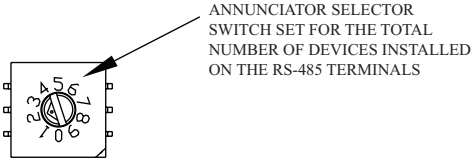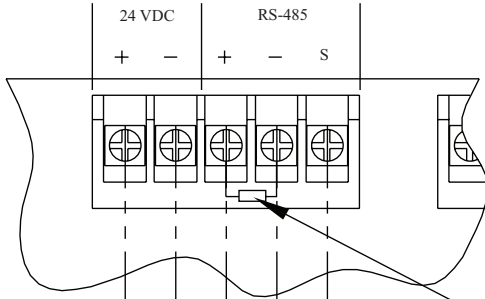## Architect/Engineers Specifications

The Annunciator for the extinguishing agent release panel shall be a microprocessor based device. The unit shall require 24vdc operating voltage and a shielded RS-485 connection for communication; both supplied by the release panel. The annunciator shall have a rotary switch to set the address number of that annunciator to allow for supervision by the panel. The annunciator shall have indicators for Alarm, Trouble, and Supervisory per zone, Output circuits active, Output circuit troubles, AC power, Power trouble, Supervisory condition, Supervisory trouble, Abort, System trouble, Alarm silence, Ground fault, Abort, Pre-discharging/Discharged. In addition to the visual indicators there shall also be a buzzer that sounds on any trouble or supervisory condition and a button to test the indicators.

Features

- Up to 4 annunciators can be connected to one PFC-4410RC
- Rotary switches on panel and annunciator for supervisory purposes
- Trouble/Supervisory buzzer
- Separate LED's for: Alarm and Trouble per zone, Outputs activated or in trouble, Supervisory, Abort, Supervisory trouble, Power trouble, System trouble, Alarm silence, Ground fault, Discharging/Discharged
- Lamp test switch
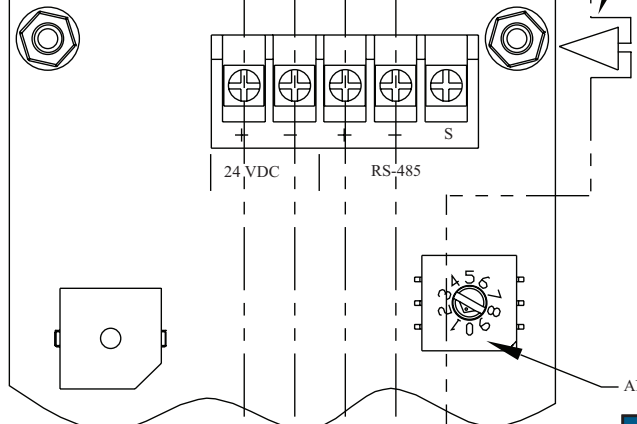- Slide in Zone & Output identification labels

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PRINTED IN USA   MFG# 5401175 - REV E   PAGE 1 OF 2
1/16

PFC-4410RC Main Board

24 VDC

RS-485

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ANNUNCIATOR SELECTOR SWITCH SET FOR THE TOTAL NUMBER OF DEVICES INSTALLED ON THE RS-485 TERMINALS

120 OHM RESISTOR - REMOVE THE RESISTOR FROM THE PFC-4410RC AND INSTALL ON THE LAST DEVICE ONLY.

CONNECT THE DRAIN WIRE OF THE SHIELDED CABLE TO THE S TERMINAL ON THE PFC-4410RC ONLY. DO NOT CONNECT THE DRAIN WIRE TO ANY ANNUNCIATOR. THE DRAIN WIRE MUST MAKE A CONTINUOUS PATH TO THE LAST ANNUNCIATOR WHERE IT IS CUT OFF AND INSULATED.
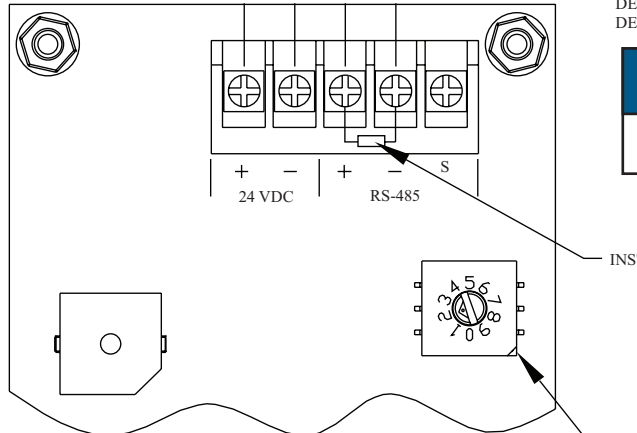
RA-4410RC #1

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24 VDC

RS-485

ANNUNCIATOR ADDRESS SWITCH (FIRST DEVICE, ADDRESS 1)

NOTICE

DO NOT CONNECT THE SHIELDED CABLE TO THE REMOTE ANNUNCIATOR

CUT OFF AND ISOLATE THE DRAIN WIRE AT THE LAST DEVICE. DO NOT CONNECT THE DRAIN WIRE TO ANY DEVICE.

RA-4410RC #2

NOTICE

DO NOT CONNECT THE SHIELDED CABLE TO THE REMOTE ANNUNCIATOR

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24 VDC

RS-485

INSTALL THE RESISTOR ON THE LAST RA-4410RC ONLY

ANNUNCIATOR ADDRESS SWITCH

DWG# 1175-2