



FDNY

BUREAU OF FIRE PREVENTION

9 Metro Tech Center, 3rd Floor

Brooklyn ,NY,11201

To: Brad Serangeli
From : New York City Fire Department
Date Oct 17, 2022
Record ID: 2022-TMCOAP-007533-CERT



Premises Address: Citywide

BIN

Application Type: Certificate of Approval

Result: Certificate of Approval

Expires on October 17, 2025

By order of Fire Commissioner and pursuant to Section FC 112 of the New York City New Fire Code, the following equipment or system is accepted for use provided the conditions as outlined below are in full compliance.

Manufacturer: Potter Electric Signal Company LLC

Trade Name: Potter Electric

Product: Fire Alarm Control Panel

Model Number(s): PFC-4410G3

Pertinent Code Section(s): Section FC 901 of the New York City Fire Code

Prescribed Tests: UL 864 9th Edition, NFPA 72

Laboratories: Underwriters Laboratories, Inc. (UL)

Report(s): UL S735, Volume 12, Section 4; issued 7/25/2022; project 4790145219

Description: The Model PFC-4410G3 is a listed and approved, microprocessor-based fire control/releasing panel. It is primarily designed for use as a releasing panel for pre-action and deluge, water based extinguishing systems or for agent extinguishing systems. The PFC- 4410G3 may also be used as a standalone fire control panel. The PFC-4410G3 has seven (7) conventional programmable initiating zones and is expandable to thirty-one (31) using four (4) IDC-6 cards, each providing six (6) additional programmable input circuits.
3.0 Amp (24VDC) power supply



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- Four (4) output circuits rated at 3.0A maximum each, 3 Amps total Power Limited

Built in Sync

Cadence and Temporal Patterns

Programmable to activate on a Supervisory or Trouble condition.

- Two (2) auxiliary 24VDC Special Application output, rated 19.7-27.2 volts 1A each Power limited, current limited, non-supervised. One programmable, (Resettable for 4-wire smoke detectors), one continuous

Support for all major synchronization patterns.

Gentex®

AMSECO®

Wheelock®

System Sensor®

- Built in standard program templates in panel memory plus custom programming available
- Releasing Zones can be set up for either normal or cross zoning operation
- Auto Silence and Silence Inhibit.
- Built-in Ethernet port for programming and non-listed communication.
- Built-in Email support to communicate system status and event information.
- Customizable Reminder Emails.
- P-Link RS-485 bus supports system accessories.
- 4,000 event non-volatile history buffer
- 99 Software Zones
- 4 X 20-character LCD display
- Four (4) Form C System Relays (Alarm, Supervisory, Trouble, Waterflow/Releasing) rated 3A at 30 VDC resistive
- Dead-front Cabinet Design

P-Link Accessories

- IDC-6 – Up to four (4) per system that provides six (6) additional conventional Class B inputs or three (3) Class A inputs.
- CA-4064 Class A converter module – Limit of one (1) per system allows for Class A wiring of the P-Link communication bus and the four (4) built-in Output circuits.
- RA-4410G3 Remote Annunciator – Up to 31 per system
- LED-4410G3 Annunciator module – Up to 10 total per system. Each allows for up to 16 zones alarm, supervisory and trouble conditions to display, and five (5) non-programmable system LEDs that display system's overall condition.
- RLY-5 Relay Board module – Up to 31 total per system provides five (5) programmable Form-C relay outputs.
- PSN-1000 Power Supply Expander - The panel can be programmed to support up to one (1) PSN-1000 Power Expanders (installed in a single zone).

Optional Accessories

- CA2Z – Converts Zone 5-6 from Class B initiating device circuits to two Class A circuits. Not to be used for 4-wire smoke detectors unless approved by local AHJ.
- RCDS-PM1 – Provides physical means of disconnecting 1 release circuit in compliance with NFPA 72
- RCDS-PM2 – Provides physical means of disconnecting 2 release circuits in compliance with NFPA 72
- ARM-1 – Activated by 24VDC Indicating and/or Releasing, polarity reversing circuits. The module provides a non-supervised DPDT Relay that can be used for fan shutdown, door release, elevator recall, etc.
- eMatch Protection Assembly 3005020

Conditions of Approval:

1. All uses, configurations, arrangements and functions, application and installations shall comply with the provisions of New York City Construction Codes, specifically Building Code Chapter 9 & 1RCNY §3616-04. Further, the installation shall be in accordance with applicable provisions of New York City Fire Code, New York City Electrical Code, manufacturer's installation requirements, and UL Standard 864.



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2. When used with a central office control communicator or a transmitter, the installation and operation of the equipment and devices shall comply with 3RCNY §901-01. It shall have the capability of transmitting separate and distinct signals to indicate manual pull station alarm, automatic detection alarm, sprinkler waterflow alarm, supervisory signal indications, and trouble indications.
3. The installation of Fire Alarm Control Unit must provide for fail-safe operation. This feature must assure that control of doors, locks, ventilation fans, and elevator recall will not be rendered inoperable in the event of a fire or power failure.
4. Connection to Central Station shall have two means of communication. Primary channel shall be telephone line as per requirements for DACT; the secondary channel of communication shall be another telephone line OR IP transmitter.
5. IP transmitter shall be limited for the secondary means of communication and comply with 26.6.3 NFPA 72, 2010 edition.
6. When used for carbon dioxide (CO₂) releasing application, the following shall be complied with:
 - 6.1. All safety precautions stated in NFPA 12 shall be strictly followed.
 - 6.2. Provide signs at every entrance of the protected space as follows:
WARNING: DO NOT ENTER THE PROTECTED PREMISES SPACE UNLESS PHYSICAL LOCKOUT OR OTHER SAFETY PROCEDURES ARE FULLY COMPLETED. DO NOT USE SOFTWARE DISABLE FUNCTIONS IN THE PANEL THROUGHOUT THE LOCKOUT.
7. Annunciator is acceptable under the condition that this unit shall be used to acknowledge the alarm and all its control function, including alarm silence and panel reset shall be disabled.
8. The above referenced equipment shall be used only with listed fire alarm equipment and devices, with which the compatibility has been determined by UL Listing Report
9. Only enclosures painted red in color shall be used.
10. Underwriters Laboratories Inc.'s Listing requirements and limitations shall be complied with.
11. Certificate of Approval number shall be plainly and permanently stamped or otherwise fixed upon each product by the applicant.
12. The Fire Department's conditions of approval shall be enumerated in the installation manuals and brochures that will be provided to all New York City buyers and users.
13. Fire Department Certificate of Approval does not constitute an endorsement or recommendation of your product by the Fire Department, but is a certification that your product is acceptable as of the date of issuance.
14. The Fire Department reserves the right to withdraw this approval at any time in the event there is a reasonable doubt that the product does not operate or perform as required by code, the conditions of this resolution or as represented in your application.
15. As the manufacturer of this product, you should be aware that any end user who fails to comply with the condition as outlined in the approval would be subject to enforcement action, which may include fines and imprisonment.
16. This Certificate of Approval does not grant the right to use any trademark associated with the New York City Fire Department (the letters FDNY, the FDNY Shield design, the FDNY Maltese Cross design, and the seal of the City of New York). The unauthorized use of trademarks in connection with the sale of commercial goods or services violates federal and state laws.
17. Products marked to indicate the Certificate of Approval number might refer to the "NYC Fire Department" or "NYC Fire Dept." (e.g., "NYC Fire Dept. Certificate of Approval 2022-TMCOAP-007533-CERT).

Any change in company name or ownership, product name, design or model number of any product included on this certificate must be immediately reported to this Department in writing.

When responding to this Department regarding this subject matter, kindly refer to Record ID: 2022-TMCOAP-007533-CERT and send



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it to Igor Chouchereba attention, 9 MetroTech Center, #15-65-K, phone (718) 999-1997, e-mail: Igor.Chouchereba@fdny.nyc.gov

Very truly yours,
Igor Chouchereba
Supervisor of Electrical Installation, II
Technology Management

By Order of,
Chief of Fire Prevention