



FDNY

BUREAU OF FIRE PREVENTION

9 Metro Tech Center, 3rd Floor

Brooklyn, NY, 11201

To: Stanley Slonski
 From: New York City Fire Department
 Date: Jan 20, 2022
 Record ID: 2021-TMCOAP-009338-AMND

COA #6148

**Valid for 3 years from date of issue
per 2014 Fire Code section 112.6.1**

Expires 20 Jan 2025



Premises Address: Citywide

BIN

Application Type: Certificate of Approval

Result: Certificate of Approval

By order of Fire Commissioner Daniel A. Nigro, 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: United Fire Protection Corporation

Trade Name: United Fire Systems

Product Name: Preaction-Pac

Model Numbers: Preaction-Pac is integrated with one of the following FACP:

- Potter 4410-RC
- Notifier NFS2-640
- Notifier RP-2001
- Fenwal FN-6000
- Kidde ARIES-SLX

Laboratory Factory Mutual Approvals

Test Standards: FM Class Nos. 3010 / 1011 / 1012 / 1013 / 1020 / 1021 / 1032

Test Report: Project 3037039 approved on 19 July 2011; renewed on 28 April 2016

The new configurations were reviewed, the hardware did not require testing as it has been verified already based on previous testing in 3037039. Blueprint Report 3037039 is updated with new drawings and updated drawings showing new configurations 01-Feb-2021

Description: Adding several configuration options: Tyco DV-5A preaction valve, Kidde ARIES-SLX control panel, & United Fire Systems NAMD-1 pressure maintenance device.



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The United Fire Protection Preaction-Pac is a fully assembled, one zone pre-action fire suppression system, consisting of the following FM Approved and NRTL certified models configured and mounted in two pieces enclosure:

- FM Approved Victaulic Series 769 FireLock NXT or Tyco DV-5A preaction valve and trim (Project 302449),
- FM Approved control panel board assembly:
 - Notifier model number NFS2-640 or RP-2001 (Project 3029505),
 - Potter model number 4410-RC (Project 3017158)
 - FenwalNET 6000 or Kidde ARIES-SLX (Project 3021638)
- NRTL certified General Air compressor, integrated FM Approved UNITED Fire Systems NITROGEN-PAC assembly, or FM Approved UNITED Fire Systems Model NAMD-1 Pressure Maintenance Device permitting external pressurization.

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.
2. Installation of interlock pre-action systems when programmed to operate as double interlock shall be installed only for applications such as refrigerated rooms. To ensure proper operation and diminish any possible faulty detection, the double interlock pre-action system shall be provided with at least two detectors installed in a single zone of protected area. Detectors for double interlock pre-action systems shall not be cross-zoned.
3. Fire Alarm Control Panels: Potter 4410-RC, Notifier NFS2-640, Notifier RP-2001, Fenwal FN-6000, Kidde ARIES-SLX are approved to use with Preaction Pac only. Use above panels for any other application are required a separate COA for each Fire Alarm Control Panel.
4. Signal indication/notification (alarm, supervisory, trouble), Central Station connection, and connection to Building Fire Alarm System (where applicable) shall be in accordance with New York City Building Code, New York City Fire Code, and NYC Rules.
5. Only enclosures painted red in color shall be used.
6. Factory Mutual Approvals' listing/approval requirements and limitations shall be complied with.
7. Inspection, testing, and maintenance of Preaction-Pac shall be performed in accordance with NYC Fire Code, NYC Rules, and NFPA 25.
8. Certificate of Approval number shall be plainly stamped or otherwise fixed upon each product by the applicant.
9. 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.
10. 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.
11. 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.
12. As the manufacturer of this equipment, 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.
13. 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



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trademarks in connection with the sale of commercial goods or services violates federal and state laws.

14. 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 #XXXX).

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 2021-TMCOAP-009338-AMND and to Igor Chouchereba attention, 9 MetroTech Center #1S-65-K, phone (718) 999-1997; e-mail; chouchi@fdy.nyc.gov

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

By Order of,
Chief of Fire Prevention