



Report of Materials and Equipment Acceptance Division

NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
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Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 56-06-E

Manufacturer:	Protec Fire Detection (Export) PLC, Protec House, Churchill Way, Nelson, Lancashire, BB9 6RT, UK.
Trade Name(s):	Cirrus Pro Series Aspirating Fire Detectors
Product:	Pro 100 Mini, Pro200, Pro200D, Pro 200DSC, Pro200+, Pro200D+, Pro200DSC+, Pro X4
Pertinent Code Section(s):	Subchapter 17 and Reference Standard RS 17-3.
Prescribed Test(s):	UL 268 and UL 268A
Laboratory:	Underwriters Laboratories Inc.
Test Report(s):	S5424, Project 05NK05945, issued January 13, 2006.

Description: The products covered by this Report are intended to detect an abnormal amount of smoke density in the area in which they are installed and to signal a fire alarm control panel during this condition. Each unit consists of resistors, capacitors, diodes, transistors, photodiodes, LED, mounted on a printed wiring board inside an enclosure which has an opening to the outside air via a pump. The pump draws in air which passes through a detector head using a IRLED.

The Cirrus Pro 100 detector is designed for applications with a 10,000 square foot maximum coverage and contains a single inlet and outlet port. The maximum volume of air passing through the detector is only limited by the amount of sampling pipe and holes allowed in the piping network and the speed of the fan.

The Cirrus Pro 200, Cirrus Pro 200D, Cirrus Pro 200+, and Cirrus Pro200D+ detectors are designed for applications with a 20,000 square foot maximum coverage and contain four inlet (non—scanning type) and one outlet port. The maximum volume of air passing through the detector is only limited by the amount of sampling pipe and holes allowed in the piping network and the speed of the fan.

Special Note: The Cirrus Pro 200+ uses a larger blower for longer pipe runs.

The Cirrus Pro 200DSC detector is designed for applications with a 20,000 square foot maximum coverage and contains four inlet (scanning type) and one outlet port. The maximum volume of air passing through the detector is only limited by the amount of sampling pipe and holes allowed in the piping network and the speed of the fan.

Special Note: The Cirrus Pro 200DSC+ uses a larger blower for longer pipe runs.

The Cirrus Pro X4 detector is designed for applications with a 43,200 square foot maximum coverage and contains four inlet (scanning type) and one outlet port. The maximum volume of air passing through the detector is only limited by the amount of sampling pipe and holes allowed in the piping network and the speed of the fan.

Sensitivity: The sensitivity can be field adjusted with 4 separate setting specifications, 1 Pre-Alarm and 3 Fire Alarms, with gain settings from 1-10.

Must be used with a UL1481 listed and MEA-approved power supply.

Pursuant to "Promulgation of the Rules relating to Material and Equipment Application Procedures" dated November 5, 1992, the Bureau of Fire Prevention has no objections letter dated June 22, 2006, F.P. Index 0604061A.

Terms and Conditions: The above units are accepted on condition that:

1. The unit shall not be installed as a primary detector unit in areas for which the Building Code specifically calls for the installation of ionization and photoelectric smoke detector.
2. All uses, configuration arrangements and functions, application, installations shall comply with the provisions of the New York City Building Code, specifically Subchapter 17 and Reference Standard 17-3. Further, the installation and spacing of detectors shall be in accordance with the manufacturer's recommendation, NFPA 72 and UL standard 268.
3. Each unit shall be viewed and limited to the operation of a single detector.
4. When installed in buildings with Fire Alarm System, all troubles and fire alarms from units listed above shall be reported to the main fire alarm system and the signal shall latch on at the main fire panel until it is manually reset.
5. Plans for the piping layout and network calculations indicating that the design meets the manufacturer's installation requirements shall be filed with this Department for approval.
6. Flexible piping or tubing shall not be utilized in this installation.

7. Only approved and/or accepted fire alarm panels shall be used with the installation.
8. Models Pro 100, Pro 200 and Pro200+ when installed must be configured with an LCD display module.
9. Underwriters Laboratories, Inc.'s installation, maintenance procedures and limitations shall be complied with.
10. Manufacturer's installation, periodic maintenance procedures and limitations shall be complied with.
11. All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and acceptable for use, as provided in Section 27-131 of the Building Code.

NOTE: In accordance with section 27-131(d), all materials tested and accepted for use shall be subject to periodic retesting as determined by the Commissioner; and any material which upon retesting is found not to comply with Code requirements or the requirements set forth in the approval of the Commissioner shall cease to be acceptable for the use intended. During the period for such retesting, the Commissioner may require the use of such material to be restricted or discontinued if necessary to secure safety.

Final Acceptance

August 2, 2006

Examined By

Donald J. Hill