



NYC Department of Buildings
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Report of Materials and Equipment Acceptance Division

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 549-06-E Vol. 2

Manufacturer: Vision Systems Inc., 700 Longwater Drive, Norwell, MA 02061

Trade Name(s): VESDA

Product: Aspirating smoke detectors

Pertinent Code Section(s): Subchapter 17 and Reference Standard 17

Prescribed Test(s): UL 268

Laboratory: Underwriters Laboratories, Inc.

Test Report(s): UL File S5198, Project 04CA11990, issued July 26, 2004

Description: The LaserFOCUS, Models VLF-250 and VLF-500, are high-sensitivity aspirating smoke-sensor detectors that draw air through the air-sampling pipe network via a single air inlet port and is passed through the laser-detection chamber.

Model VLF-250 monitors areas up to 2,500 square feet using either a single sampling tube with length up to 80 feet or in a branched-configuration up to 50 feet.

Model VLF-500 monitors areas up to 5,000 square feet using either a single sampling tube with length up to 150 feet or in a branched configuration up to 90 feet.

Their operating voltage are nominally 24 VDC. Internal relays allow alarm and trouble signals to be transmitted to external devices, such as fire alarm control panels and/or remote sounding devices. The instant recognition display shows alarm levels and detector status information.

These detectors use ultrasonic-flow-sensing to monitor the integrity of the sampling pipe network by detecting pipe air-flow change. The detectors contain an RS232 compatible serial interface port.

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 November 16, 2006, F.P. Index #0611005.

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

1. Units shall not be installed as primary detector units in areas that New York City Building Code specifically calls for the installation of ionization and photoelectric smoke detector.
2. All uses, configurations, arrangements and functions, application, installations comply with applicable provisions of New York City Building Code, specifically Subchapter 17, and with Reference Standard 17-3.
3. Installation and spacing of detectors shall be in accordance with the manufacturer's recommendation, NFPA 72 (2002 edition, section 6.16) and UL standard 268.
4. Units shall be viewed and limited to the operation of single detectors only.
5. When installed in buildings with Fire Alarm System, all troubles and alarms from units shall be reported to the main fire alarm system and the signal shall latch on at the main fire panel until they are manually reset.
6. Plans for the piping layout and network calculations indicating that the designs meet the manufacturer's installation requirements shall be filed with the Building Department for approval.
7. Flexible piping or tubing shall not be utilized in the installation.
8. Only approved and/or accepted fire alarm panels shall be used with the installation.
9. Underwriters Laboratories, Inc.'s listing requirements and limitations shall be complied with.
10. Periodic inspection, 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.

Final Acceptance December 22, 2006

Examined By Donald ~~X~~