

**CITY OF NEW YORK  
DEPARTMENT OF BUILDINGS**

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of Materials and Equipment Acceptance (MEA) Division.

Satish K. Babbar, R.A., Acting Commissioner

**MEA 306-00-E  
Report of Material and Equipment Acceptance Division**

Manufacturer - System Sensor, A Division of Pittway, 3825 Ohio Avenue, St. Charles, IL 60174.

Trade Name(s) – Fire-Lite (Listee).

Product – Fire Alarm Equipment - Duct Detector.

Pertinent Code Section(s) – RS 17-3, RS 4-6 (886-89-BCR).

Test(s) - UL268A.

Laboratory - Underwriters Laboratories, Inc.

Test Report(s) - UL File S911, Project 00NK13414, Volume 56, Section 1, issued July 18, 2000 and UL letter dated July 18, 2000. Follow-up Service Procedure (Type L) designating Fire Lite Alarms Inc. as Listee for File S911.

Description – Fire-Lite's smoke detector as follows:

Model Number	Description
DDF-351P	Smoke Automatic Fire Detector for ducts.

The DDF-351P is an analog unit detector. The unit is intended to detect an abnormal amount of smoke density in the return air ducts of air conditioning and ventilating systems. The unit operates to shut down blowers to prevent abnormal smoke distribution and a possible panic hazard. The duct detector consists of a plastic enclosure, relay, electrical components, listed open area detector, and a sampling and exhaust tube. The chamber of the listed open area detector is of the photoelectric type.

This unit is for use with any listed compatible base. The base/head combination is for use with a listed Fire-Lite control panel, Model MS9200. The amount of smoke observed by the detector is reported to the panel by varying the width of Pulse. As smoke is encountered, the width of this pulse increases.

The duct detector is suitable for use in ducts where the air velocity is between 500 and 4000 ft/min.

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 February 6, 2001, F.P. Index No. 0008076A.

Recommendation - That the above units be accepted on condition that all uses, configurations, arrangements, functions, applications and installations shall comply with the provisions of New York City Buildings Code, specifically Subchapter 17, and Reference Standard 17-3. Further, the installation shall be in accordance with the manufacturer's recommendation, NFPA 72, UL listing and the UL Standard. Model DDF-351P duct detector shall be used only with listed and approved control panels with which the compatibility has been determined by a UL test report.

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 accepted for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance February 21, 2001

Examined By Mark Jaclyn