

**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.

Patricia J. Lancaster, A.I.A., Commissioner  
MEA 219-02-E  
Report of Material and Equipment Acceptance Division

**Manufacturer – System Sensor, 3825 Ohio Avenue, St. Charles, IL 60174.**

**Trade Name(s) – System Sensor.**

**Product – Fire Alarm Equipment (Photoelectric smoke detectors).**

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

**Test(s) – UL 268.**

**Laboratory – Underwriters Laboratories Inc.**

**Test Report(s) – UL File S911, Project 93NK8813 dated November 11, 1993 and revised June 11, 2002, and UL letter dated June 26, 2002.**

**Description – System Sensor's control unit accessory modules as follows:**

Models 2251B, 2251Tb, and 2251TMB are photoelectric smoke detectors which are intended to detect an abnormal amount of smoke density in the area in which it is installed and transmit a signal proportional to the amount of smoke being sensed to a control panel.

Model 2251B is identical to the Models 2251TB, and 2251TMB except that the Model 2251B does not have a supplemental heat detector.

The Filtrex FTX-P1 employs a small-supervised air intake fan that draws air into the detection chamber through a set of filters. The sensor portion of this product receives its power from the control panel initiating device circuit, while the power for the intake fan comes from a separate power supply.

These units are for use with any listed compatible base. The base/head combination is for use with any listed compatible control unit. The amount of smoke observed by the detector is reported to the panel by varying the width of pulse.

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 July 29, 2002, F.P. Index 020705.

Recommendation - That the above smoke detectors be accepted on condition that all uses, configurations, arrangements and functions, application and installations shall comply with the provisions of New York City Building Code, specifically Subchapter 17, and Reference Standard 17-3 and the UL Listing. Further, the installation and spacing shall be in accordance with the manufacturer's recommendation, NFPA 72 and UL Standard. Periodic sensitivity tests where required shall be conducted in accordance with the regulations of Fire Department. These units shall be used with a compatible UL Listed and MEA approved fire control panels. The compatibility must be specified or determined by a UL test report or the Engineer of Record.

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 for in Section 27-131 of the Building Code.

Final Acceptance October 7, 2002

Examined by Mark Feely