

**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 439-00-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) – Honeywell.

Product – Fire detector for duct application.

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

Test(s) - UL 268A.

Laboratory - Underwriters Laboratories, Inc.

Test Report(s) - UL File S911, Volume 55, Section 1, issued July 17, 2000, revised September 25, 2000, and UL letter dated November 6, 2000.

Description – Honeywell's smoke detector(s) for duct application as follows:

Model No.	Description
TC806D1011	Analog unit smoke-automatic fire detector
TC806D1018	Analog unit smoke-automatic fire detector plus additional relay

General - The units are intended to detect an abnormal amount of smoke density in the return air ducts of air conditioning and ventilation systems. The units operate to shut down blowers to prevent abnormal smoke distribution and a possible panic hazard. The duct detectors consist 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 the photoelectric type.

Each unit is for use with any listed compatible base. The base/head combination is for use with a listed Honeywell control panel, Model PS90. The amount of smoke observed by the detector is reported to the panel by varying the width of Pulse 4. As smoke is encountered, the width of this pulse increases.

Note: The duct detectors are suitable for use in ducts where the 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 December 5, 2000, F.P. Index No. 0011042.

Recommendation - That the above smoke detectors be accepted on condition that all uses, configurations, arrangements, functions, locations and installations shall comply with the provisions of New York City Building Code, specifically Subchapter 17, and Reference Standards RS 17-3. Further, the installation shall be in accordance with the manufacturer's recommendation, NFPA 72, and the UL standard. These duct detectors shall be used only with listed and approved base and 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 those tested and accepted for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance March 23, 2001
Examined By Mark Jucly