

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 the Material and Equipment Acceptance (MEA) Division.

Patricia J. Lancaster, A.I.A., Commissioner

MEA 152-03-E  
Report of Material and Equipment Acceptance Division

Manufacturer- Detector Electronics Corp.

Trade Name(s)-DET-TRONICS.

Product- Model X2200, X5200 and X9800 UV/IR Flame Detectors.

Pertinent Code Section(s)- Reference Standard RS 17-3.

Prescribed Test(s)- FM 3260.

Laboratory- Factory Mutual Approvals (FM Approvals).

Test Report(s)- 3016716 issued March 17, 2003, and 3014278 issued December 20, 2002

Description-The X2200 is an Ultraviolet (UV) Flame Detector. The X5200 is a combination Ultraviolet and Infrared (UV/IR) Flame Detector. The X9800 is an Infrared (IR) Flame Detector. These detectors offer increased performance throughout the spectrum and provide customers with flexibility to meet their requirements. These detectors have Division and Zone explosion proof ratings and are suitable for use in outdoor and indoor applications.

Product model numbers include: X2200abcde, X5200abcde and X9800abcde. The letter a represents enclosure material, b represents thread info, c represents output options, d represents approval agencies, and e represents classification. See the FM report or Manual for additional information.

Pursuant to "Promulgation of the Rules relating to Materials and Equipment Application Procedures" dated November 5, 1992, the Bureau of Fire Prevention has no objections letter dated June 6, 2003, F.P. Index #0305055.

Recommendation – That the above units be accepted on condition that:

1. The above referenced flame detectors shall be installed in a dedicated supervised circuit zone. Cross zoning of flame detectors shall not be allowed. The flame detectors shall provide a latching signal to an approved and compatible fire alarm control panel that provides separate circuits for power and alarm initiation.
2. Type of wires and methods of wiring must be in accordance with the related resolution approval and Reference Standard 17-3.
3. 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, the manufacturer's recommendation, NFPA 70, and FM test reports.

All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying 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 June 26, 2003  
Examined by 