

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 150-03-E  
Report of Material and Equipment Acceptance Division

Manufacturer- Detector Electronics Corp  
Trade Name(s)- DET-TRONICS  
Product- Model X3301 Multispectrum IR Flame Detector  
Pertinent Code Section(s)- RS 17-3  
Prescribed Test(s)- FM 3260  
Laboratory- Factory Mutual Approvals (FM Approvals)  
Test Report(s)- 3012419 dated February 7, 2002, which supplements 3011126.  
Description- The X3301 is a multispectrum infrared (IR) Flame Detector. The detector has Division and Zone explosion proof ratings and is suitable for use in outdoor and indoor applications.

Product model numbers include: X3301abcde, where A represents Enclosure material, B represents thread info, C represents electrical outputs, D represents the approvals agencies and E represents the Temperature 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

