

**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, F.A.I.A., Commissioner

**MEA 117-05-E
Report of Material and Equipment Acceptance Division**

Manufacturer – Bosch Security Systems, 130 Perinton Parkway, Fairport, New York 14450.

Trade Name(s) – F220 Photo Electric Smoke Detectors & F220 Heat Detectors.

Product – Smoke Detectors and Heat Detectors including Auxiliary Devices.

Pertinent Code Section(s) – RS 17-3, 3A, 3B, RS 17-5.

Prescribed Test(s) – ANSI/UL 268, ANSI/UL 521.

Laboratory – Underwriters Laboratories, Inc.

Test Reports – UL File S8881, Project 04CA32503 issued November 1, 2004. UL File S8881, Project 04CA32503 issued November 1, 2004. UL File S8492, Project 03CA21413 issued February 5, 2004. UL File S8881, Project 04CA32503, issued November 4, 2004. UL File S8881, Project 04CA32503, issued November 2, 2004. UL File S8881, Project 04CA04788 issued December 14, 2004. UL File S8881, Project 04CA07896 issued July 7, 2004.

Description – The equipment listed is manufactured by Bosch and consists of the F220 family of 2 & 4 wire photoelectric smoke detectors with and without integral heat and carbon monoxide sensors. The F220 family of heat detectors consists of both fixed and rate of rise detection. Both the photoelectric smoke detectors and heat detectors are designed to operate with a family of bases for 2 & 4 wire operation with and without integral relays. All detectors and bases are designed for use with both 12 & 24 VDC control panels.

Bosch Part No.	Description	UL File No.
F220-P	Photoelectric smoke detector	S8881, Vol. 3, Sec. 1
F220-PTH	Photoelectric smoke detector w/135F H.D.	S8881, Vol. 3, Sec. 1
F220-PTHC	Photoelectric smoke detector w/135F H.D. & carbon monoxide sensor	S8881, Vol. 5, Sec. 1
F220-135	Heat detector – rate of rise & fixed @ 135F	S8492, Vol. 1, Sec. 1
F220-135F	Heat detector – fixed @ 190F	S8492, Vol. 1, Sec. 1
F220-190F	Heat detector – fixed @ 190F	S8492, Vol. 1, Sec. 1

F220-B6	Detector Base – 2 Wire	S8881, Vol. 6, Sec. 1
F220-B6R	Detector Base – 4 Wire	S8881, Vol. 4, Sec. 1
F220-B6C	Detector Base – 4 Wire	S8881, Vol. 4, Sec. 1
F220-B6E	Detector Base – 4 Wire	S8881, Vol. 4, Sec. 1
F220-B6RS	Detector base – 4 wire w/sounder	S8881, Vol. 2, Sec. 1
F220-B6PM	Detector base–2 wire addressable - master	S8881, Vol. 1, Sec. 1
F220-B6PS	Detector base–2 wire addressable - slave	S8881, Vol. 1, Sec. 1

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 April 26, 2005, F.P. Index No. 0504030.

Recommendations - That the above units be accepted on condition that:

1. All uses, configurations, arrangements and functions, applications and installations shall comply with the provisions of New York City Building Code, specifically Subchapter 17, and with the Reference Standards RS 17-3. Further, the installation and spacing of detectors shall be in accordance with the manufacturer’s recommendation, NFPA 72 and UL Standard.
2. The above products shall be used only with compatible control panels and accessories.
3. Periodic maintenance and sensitivity tests where required shall be conducted in accordance with the regulations of Fire Department.
4. Model F220-PHTC shall not be used as a carbon monoxide detector. A label shall be affixed to indicate the same.

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 in Section 27-131 of the Building Code.

Final Acceptance _____

Examined by _____

June 20, 2005
