

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 Lancaster, A.I.A., Commissioner

MEA 48-03-E

Report of Material and Equipment Acceptance (MEA) Division

Manufacturer: Sound Advance Systems, 3202 South Shannon St., Santa Ana, CA  
92704-6353

Trade Name(s): SOUND ADVANCE®

Product: UL Listed Fire Protective Signaling Speakers

Models: CT8BHTF / CT8BSTF / CT8FSTF (*loudspeakers*)

CT10BHTF / CT10BSTF / FM1-F (*loudspeakers*)

TBS-FM1 / NCB-FM1 / UMB8-10 / TBS8-10 (*accessories*)

Pertinent Code Sections: Title 27, Chapter 1, Subchapter 1, Article 7, Sec. 131/131.1, Title 27, Chapter 1, Subchapter 17, Section 27-972; 27-968 thru 27-977.

Prescribed Tests: UL1480 – Speakers for fire protective signaling systems and UL 2043.

Laboratory: Underwriters Laboratories, Inc.

Test Report: UL File S5587; Project No. 95NK20139, issued December 12, 1995, revised January 26, 1996. UL file S5587, Project No. 01NK40737, issued February 27, 2002.

Description: These loudspeaker models and accessories comply with the performance standards for "*Speakers for Fire Protective Signaling Systems*" established by NFPA. When interfaced with compatible control equipment, they are listed for Emergency Communication Service by Underwriters Laboratories Standard 1480 (*Category UUMW*). Properly installed, these devices meet Life Safety Code requirements per NFPA 72 for Supervised Loudspeakers in Fire Protective Signaling and Communication Systems.

Speakers listed under this UL category are intended for use in a Fire Alarm Signaling Service in conjunction with a compatible Listed System Control Unit, the combination of which is intended to be installed as a Combination System Control in accordance with the applicable requirements of NFPA 72 and the local authorities having jurisdiction. The amplifier, in conjunction with tone generator located in the control unit, provides the power and signal, either for the Alarm Evacuation and/or for Voice Communication.



Additionally, when installed with a compatible Enclosure/Support combination which is listed for use in air handling spaces, these loudspeakers comply with Underwriters Laboratories Standard 2043, "Fire Test for Heat and Visible Smoke Release for Discrete Products and their Accessories installed in Air-Handling Spaces"(1998), in accordance with the National Electrical Code 2002 (NEC), NFPA 70, Section 300-22(c) and NFPA. 90A-1993, "Installation of Air Conditioning and Ventilation Systems", Section 2-3.10.1(a), Exception 3.

All speaker models have a 70.7Volt, 8-Watt multi-tap transformer with field-selectable quick connectors, parallel dual red and black leads for in-out wiring and a DC blocking capacitor in series with the primary leads to maintain supervision. A data sheet with wiring schematics, instructions and product specifications is furnished with all speakers. Installation method is either screw or torsion spring mount, depending on model configuration. They can be surface-mounted into gypsum board ceilings, suspended-grid ceilings and into air-return plenum ceilings, either in new or existing construction, when combined with the appropriate accessories listed in the supplied data sheet.

The FM1-F is a UL Listed Integrated Loudspeaker System, comprising an enclosure, transformer and mounting hardware. The TBS-FM1 Support Bridge is shipped with the FM1-F loudspeaker if ordered for existing construction. Alternatively, the NCB-FM1 Bracket is shipped separately when the speaker is to be installed in new construction.

Other speaker models herein described require one of the UL Listed enclosures detailed in their product data sheet (*part No. 960.060 Rev.1 – supplied with speakers*) for compliance with UL1480 and/or UL2043 Listings. Accessories for these speakers are the TBS8-10 Support Bridge or UMB8-10 Universal Mounting Bracket.

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 March 6, 2003, F.P. Index No. 0303056.

Recommendation: That the above units be accepted on condition that all uses, locations and installations comply with the New York City Building Code, specifically Subchapter 17 and with the Reference Standard RS17-3, the UL Listing, the manufacturer's instructions, the Fire Department Directives and with the provisions of the Electrical Code of the City of New York.

All shipments and deliveries of such equipment shall be provided with a label or tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to those tested and acceptable for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance August 29, 2003

Examined by [Signature]