



# Report of Materials and Equipment Acceptance Division

NYC Department of Buildings  
280 Broadway, New York, NY 10007  
Patricia Lancaster, FAIA, Commissioner  
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Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

## MEA 73-92-E Vol. 38

**Manufacturer:** Air Products and Controls Inc., 1749 East Highwood, Pontiac, MI 48340

**Trade Name(s):** Air Products and Controls Inc.

**Product:** Automatic fire detector bases, synchronization modules

**Pertinent Code Section(s):** Reference Standard RS 17 and Subchapter 17

**Prescribed Test(s):** UL 268 and UL 464

**Laboratory:** Underwriters Laboratories, Inc.

**Test Report(s):** Sounder/Relay Bases: UL File S2829, Vol. 5, Project 06NK16597, dated December 12, 2006  
Synchronization Modules: UL File S9055, Vol. 1, Project 06CA34908, dated December 8, 2006

**Description:** The *Multi-Flex* family of smoke detector Sounder/Relay bases and Synchronization Modules consist of the following models:

### Sounder Bases

Model No.	Description
MB-SDRT-AA	Analog Addressable Detector Sounder Base (with integral audible signal)
MB-SDRT-CV	Conventional Detector Sounder Base (with integral audible signal)

The sounder bases offer selectable steady or temporal pattern output and selectable high-or low-volume levels. The smoke detectors and bases are designed to operate in conjunction with MEA-approved Fire Alarm Control Panels (FACP).

Available synchronization modules (SM) allow temporal pattern sounder base-circuits to be completely synchronized and installed in almost limitless configurations, and also provide an on-board latching test function.

Relay Bases

<b>Model No.</b>	<b>Description</b>
<b>MB-RLYT-AA</b>	<b>Analog Addressable Detector Relay Base (with integral relay)</b>
<b>MB-RLYT-CV</b>	<b>Conventional Detector Relay Base (with integral relay)</b>

The relay bases are designed to operate in conjunction with MEA-approved Fire Alarm Control Panels (FACP) and provide one general purpose , SPDT (Form C) contact. The conventional and analog addressable relay bases are also compatible with the full range of new Multi-Flex family devices, including all conventional and analog addressable sounder bases and synchronization modules, respectively.

Synchronized Modules

<b>Model No.</b>	<b>Description</b>
<b>MB-SDRT-SM/G/R</b>	<b>Synchronization Module – Two-Gang Box Mounted (Red Cover)</b>
<b>MB-SDRT-SM/C/R</b>	<b>Synchronization Module – Enclosure Mounted (Red)</b>

Synchronization modules allow temporal pattern sounder base circuits to be completely synchronized and installed in almost limitless configurations, and also provide an on-board latching test function.

The **Multi-Flex** series is compatible with Apollo analog addressable (XP95A and Discovery Series) and conventional (Series 60A and Series 65) smoke detectors, including heat, photoelectric and ionization types.

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 March 23, 2007, F.P. Index #0702008A.

**Terms and Conditions:** The above units are accepted on condition that:

1. All uses, configurations, arrangements and functions, application and installations shall comply with the provisions of New York City Building Code, specifically Subchapter 17, and with Reference Standard RS17-3. Further, the installation shall be in accordance with the manufacturer's recommendation, NFPA 72 and UL standard.
2. The above fire alarm equipments shall be used only with listed and approved devices & accessories with which the compatibility has been determined by the Engineer of Record or a UL-test report.
3. Underwriters Laboratories, Inc.'s listing requirements and limitations shall be complied with.
4. 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 New York City Building Code.

Final Acceptance June 1, 2007.  
Examined By Donald [Signature]