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 113-05-E
Report of Material and Equipment Acceptance Division

Manufacturer- Kidde-Fenwal, Inc., 400 Main Street, Ashland, MA 01721.
Trade Names – (a) FENWAL, (b) KIDDE.
Product- Fire Alarm Equipment.
Pertinent Code Sections – 27-968 through 27-977, RS 17-5 ANSI/NFPA 72.
Laboratory – Underwriters Laboratories Inc.
Test Report- UL File S2422, Vol. 13, Sec. 1, Project 04NK20837 dated January 10, 2005 (Control Unit, Systems). UL File S3743, Vol. 2, Sec. 1, Project 89NK1113/S2575, dated February 9, 1989, last revised January 17, 2005 (Control Unit Accessories).
Description- The FENWAL, Model FENWALNET 6000, and the KIDDE Model ARIES are microprocessor based fire alarm/suppression control units. They provide automatic fire detection, manual fire alarm, waterflow, sprinkler supervisory, releasing device service; non-coded signaling. The control units are designed for use with the Series of SmartOne distributed intelligence detectors and loop devices.

The distributed intelligent devices provide addressable smoke and heat detectors, along with contact input and relay outputs via a single, two wire communication loop. The addressable contact input devices may be used to monitor normally open and normally closed sprinkler supervisory contacts. The addressable contact output devices are designed to interface with devices, which are controlled by the fire alarm system.

The fire alarm equipment is UL listed as follows:

Model/Part No.	Description
74-600000-510	FENWALNET 6000 Control Unit (Red)
74-600000-515	FENWAL Remote Display Control Module (RDCM)
06-129827-003	FENWAL RDM/RDCM Enclosure
74-600000-514	FENWAL Battery Box
76-600000-001	KIDDE ARIES Control Unit
76-600000-005	KIDDE Remote Display Control Module (RDCM)
06-129828-002	KIDDE RDM/RDCM Enclosure
76-100010-001	KIDDE Battery Box
06-220023-001	In-Line Releasing Device

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 8, 2005, F.P. Index No. 0503044A.

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

1. **The above referenced Fenwalnet 6000 and Aries control units must provide for a fail-safe operation. This feature must assure that control of doors, ventilation fans, and elevator recall will not be rendered inoperable in the event of a fire or power failure.**

   The design for the installation of these control units, where installed as a Fire Command Station, in occupancies such as high rise office buildings, hotels and department stores must employ Class "A" wiring method (Style 7), with at least one isolator provided for each floor. No more than 25 initiating devices shall be acceptable for each isolator.

   Notification appliances must be wired Class A, (Style Z) with at least one isolator provided for each floor. No more than 25 notification appliance units shall be acceptable for each isolator. Tee taps are unacceptable on Style 7 wiring. Running return wires in the same feeding conduit is unacceptable. The return conduit must be at least 7 feet apart from the supply conduit.

   For other occupancies where installed as an IFA control panel, Style 4 wiring method would be accepted with a condition that the design shall provide for the installation of one isolator for each floor and at each Tee Tap. No more than 25 initiating devices or notification appliance units shall be acceptable for each isolator.

   When used with a central office communicator or a transmitter, the installation and operation of the equipment and devices shall comply with 3RCNY §17-01. It shall have the capability of transmitting separate and distinct signals to indicate manual pull station alarm, automatic detection alarm, sprinkler waterflow alarm, supervisory signal indications and trouble indications.

2. **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, 17-3A, 17-3B, 17-3C and 17-5. Further, the installation shall be in accordance with the manufacturer's recommendation, NFPA 72 and UL Standard.**

3. **The above referenced control units when installed with releasing feature shall comply with all applicable sections of 3RCNY Chapter 15 and NFPA Standards (UL File S2422, Vol. 13, Sec. 1) also.**

4. **When used for carbon dioxide (CO2) releasing applications, the following shall be complied with:**

a. **All safety precautions stated in NFPA 12 shall be strictly followed.**

b. **Provide signs at every entrance to protected space as follows:**

WARNING: DO NOT ENTER THE PROTECTED PREMISE SPACE UNLESS PHYSICAL LOCKOUT OR OTHER SAFETY PROCEDURES ARE FULLY COMPLETED. DO NOT USE SOFTWARE DISABLE FUNCTIONS IN THE PANEL AS LOCKOUT.

5. **The connection of security/burglar devices and equipment to this fire alarm panel is prohibited. A sign must be provided to indicate same.**

6. **Installation of pre-recorded evacuation messages in the fire alarm control panel would require a prior approval from the Department.**

7. **The RDCM Models 74-600000-515 and 76-600000-005 are acceptable under the condition that all controls of fire alarm (system control switches) shall be removed from these units except the "ACKNOWLEDGE" function key.**

8. **All fire alarm equipment shall be red in color.**

9. **The above referenced fire alarm equipment shall be used only with listed and approved accessories with which the compatibility has been determined by the Engineered of Record or a UL test report.**

Final Acceptance June 13, 2005

Examined by David Hed