NYC Department of Buildings
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# Report of Materials and Equipment Acceptance Division

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 17-96-E (Correction)

**Note: This publication reflects the removal of Recommendation(Terms & Conditions) No. 5, as per Fire Department correspondence dated September 9, 2005.**

**Manufacturer:** Fire-Lite/Notifier 12 Clintonville Road, Northford, CT 06472-1001.

**Trade Name(s):** Notifier AFP-400

**Product:** Fire Alarm Equipment

**Pertinent Code Section(s):** 27-968 through 27-977, RS 17-5 ANSI/NFPA No. 72.

**Test(s):** RS 17-5 ANSI/NFPA No. 72; UL 864

**Laboratory:** Underwriters Laboratories, Inc

**Test Report(s):** UL File S635 Volume 26 Section 1 Issued October 25, 1995; UL M/L File S1570 Issued November 16, 1995.

**Description –** The AFP-400 is an intelligent fire alarm control panel with a capacity of 563 points. The AFP-400 integrates the conventional output circuits such as notification, telephone and speakers, with the intelligent features of two signaling line circuits (SLC) and 396 intelligent/addressable points. It also is suitable for releasing service. The Johnson Controls' IFC-400 is multiple-listed with the Notifier AFP-400, ML File No. S1570, Issued November 16, 1995. The following equipment is compatible and used with these control panels:

| Model Number | Description |
|---|---|
| 4XTM | Transmitter Module |
| A2143-00 | End-of Line Resistor Assembly |
| AA-30/-100/-120 | Audio Amplifiers |
| ABF-1/-2/-4 | Annunciator Flush Boxes |
| ABF-1D/-2D/-4D | Annunciator Flush Boxes with doors |
| ABM-16AT/-32A | Annunciator Blank Modules |
| ABS-1T/-2 | Annunciator Surface Boxes |
| ABS-8R | Annunciator Backbox for ACM-8R |
| ACM-8R/-16AT/-32A | Annunciator Control Modules |
| ACT-1 | Audio Coupling Transformer |
| AEM-16AT/-32A | Expander Modules |
| AFM-16A/-16AT/-32A | Annunciator Fixed Modules |
| AKS-1 | Annunciator Key Switch |
| AMG-1/-E | Audio Message Generations |
| ARM-4 | Auxiliary Relay Module |
| ATG-2 | Audio Tone Generator |
| AVPS-24 | Audio/Visual Power Supply |
| BB-55 | Battery Box |
| BM-1 | Blank Module |
| BP-3 | Battery Dress Panel |
| BX-501 | Detector/Sensor Base |
| CAB-400AA | Enclosure |
| CCM-1 | Communication Converter Module |
| CHS-4L/-4M | Chassis |
| CMX-1/-2 | Addressable Control Modules |
| CPU-400 | AFP-400 CPU Module |
| CPX-551/-751 | Intelligent Ionization Smoke Detectors |
| CRE-4 | Control Relay Expander |
| CRM-4 | Control Relay Module |
| CRT-2 | Video Display with Keyboard |
| DCM-4 | Dual Channel Module |
| DHX501/-502 | Duct Detectors |
| DP-400AA | Dress Panel |
| DP-1 | Dress Panel |
| DPDW-1 | Double Well Dress Panel |
| DPSW-1 | Single Well Dress Panel |
| DR-A3/-B3/-C3/-D3 | Doors |
| FCPS-24 | Field Charger/Battery Supply |
| FDX-551 | Intelligent Thermal Sensor |
| FFT-7/-7S | Fire Fighter's Telephones |
| FHS | Fireman's Handset |
| FPJ | Fireman's Phone Jack |
| FSK-2400 | Modem |
| ICE-4 | Indicating Control Expander |
| ICM-4 | Indicating Control Module |
| ISO-X | Loop Fault Isolator Module |
| L20-300-BX/-310-BX | Enclosures |
| LCD-80 | Liquid Crystal Display Module |
| LCD-80TM | Terminal Module LCD Annunciator |
| LDM-32/-E32/R32 | Lamp Driver Modules |

| | |
|---|---|
| **MMX-1/-2** | **Addressable Monitor Module** |
| **MMX-101** | **Addressable Mini-Monitor Module** |
| **N-ELR** | **Assortment End-of-Line Resistors** |
| **NIB-96** | **Network Interface Board** |
| **NR45-24** | **Remote Battery Charger** |
| **P-40** | **Keltron Printer** |
| **PRN-4** | **80 Column Printer** |
| **PS-12120** | **Battery, 12 Volt, 12 AH** |
| **PS-12170** | **Battery, 12 Volt, 17 AH** |
| **PS-12250** | **Battery, 12 Volt, 25 AH** |
| **PS-12550** | **Battery, 12 Volt, 55 AH** |
| **R-120/-2.2K/-27K/-470/-47K** | **End-of Line Resistors** |
| **RA400/-400Z** | **Remote Annunciators** |
| **RPJ-1** | **Fireman's Phone Jack** |
| **RPT-485W** | **EIA-485 Repeater (Wire)** |
| **SBB-A3/-B3/-C3/-D3** | **Backboxes** |
| **SDX-551/-551TH/-751** | **Intelligent Photoelectric Detectors** |
| **STS-1/-200** | **Tamper Switches** |
| **TR-500** | **Trim Ring** |
| **UDACT** | **Universal Digital Alarm Communicator/Transmitter** |
| **UZC-256** | **Universal Zone Coder** |
| **VCE-4** | **Voice Control Expander** |
| **VCM-4** | **Voice Control Module** |
| **XPC-8** | **Transponder Control Module** |
| **XPDP** | **Transponder Dress Panel** |
| **XPM-8/8L** | **Transponder Monitor Modules** |
| **XPP-1** | **Transponder Processor** |
| **XPR-8** | **Transponder Relay Module** |

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 January 11, 1996 F.P. Index #9601053 and Letter dated June 4, 1996, F.P. Index 9601053A.

**Terms and Conditions -** 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 RS 17 through 17-3C inclusive, the U.L. Listing, the manufacturer's instructions, the Fire Department Directives, and with the Electrical Code of the City of New York, and on further condition that:

1. The connection of security/burglar devices and equipment to that submitted for acceptance for fire alarm usage under this MEA application is prohibited within New York City. Such equipment and devices shall be so permanently labeled.

2. The use of "Fiber Optics" is prohibited. All wiring, both internal and external, shall be constructed with metallic copper wiring.

3. When used as a central office control communicator/transmitter, the installation and operation of the equipment and devices listed herein shall comply with Fire Department Rule #3-RCNY 17-01 and NFPA 72-1989 and shall have the capability of transmitting separate and distinct signals to indicate manual pull station alarm, automatic smoke/heat detection alarm, sprinkler waterflow alarm, supervisory signal indications and trouble indications.

4. Installation shall comply with NFPA 12, 12A, 12B, 13, 15, 16, 17, 17A and 72, and Fire Department Rule #3-RCNY 15-01.

5. If provided, visual alarm signals shall have the following minimum photometric features:

   a. The lamp shall be a xenon strobe type or equivalent.

   b. The color shall be unfiltered or clear filter white light.

   c. The maximum pulse duration shall be two-tenths of one second (0.2 seconds) with a maximum duty cycle of 40 percent. The pulse duration is defined as the time interval between initial and final points of 10 percent of maximum signal.

   d. The intensity shall be a minimum of 75 candela.

   e. The flash rate shall be a minimum of 1 Hz and a maximum of 3 Hz.

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 accepted for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance July 11, 2006.

Examined By