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.

Joel A. Miele, Sr., P.E., Commissioner

MEA 17-96-E
Report of Material and Equipment Acceptance Division

Manufacturer - Fire-Lite/Notifier 12 Clintonville Road, Northford, CT 06472-1001.
Trade Name - 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 Generators
ARM-4	Auxiliary Relay Module
ATG-2	Audio Tone Generator
AVPS-24	Audio/Visual Power Supply
[illegible]-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)
UL-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.

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 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 labelled.

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. "The AFP-400 control panel shall provide either redundant processors or Class A redundant SLC loops as needed to postively assure the fail safe control of door locks, ventilation fans, elevator recall and evacuation signaling which will not be rendered inoperable in the event of a fire alarm condition when installed in any building which is required by code to have a Fire Command Station."

6. 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 August 8, 1996
Examined by Mark Feely