

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 J. Lancaster, A.I.A., Commissioner

MEA 341-03-E
Report of Material and Equipment Acceptance Division

Manufacturer – Fire-Lite Alarms, One Fire-Lite Place, Northford, CT 06472-1001.

Trade Name – Fire-Lite.

Product – Fire Alarm Equipment.

Pertinent Code Section(s) –27-968 through 27-977, RS 17-5, ANSI, NFPA 72.

Test – UL 864.

Laboratory – Underwriters Laboratories, Inc.

Test Reports – UL Files S624, Project 02ME20023A, Vol. 16, Sec. 2, issued March 26, 2003; S624, Vol. 25, S2424, Projects 02ME07796 and 03ME09829 dated October 29, 2002, revised September 23, 2003.

Description – The MS-9200UD is a 198 point addressable fire alarm control panel with internal DACT. The DACT-UD is dialer used with the MS-9600 (MEA 72-01-E), and the ACC-25/50 and ACC-25/50ZS are 25 or 50 watt single channel voice alarm systems.

Model No.	Description
MS-9200UD	198 Point FACP
DACT-UD	Fire Alarm Dialer
ACC-25/50	25/50 watt Emergency Voice Evacuation Panel
ACC-25/50ZS	25/50 watt voice alarm panel
ACC-ZPMK	Zone page module used with ACC-25/50ZS
ACC-AAM25	25 watt amplifier used with ACC-25/50 or ACC-25/50ZS
ACC-ZSM	Zone splitter module used with ACC-25/50ZS

Model ACC-25/50, ACC-25/50ZS Audio Command Center, ACC-AAM25 Audio Amplifier, ACC-ZPMK Zone Page Module with Keypad, ACC-ZSM Zone Splitter Module.

Engineering Considerations:

General –

The ACC-25/50 is a 25 watt audio emergency voice evacuation panel. The ACC-25/50 provides full supervision of both normal standby and alarm conditions. An optional second audio amplifier, ACC-AAM25 is available as a backup to the primary amplifier or to expand speaker power to 50 watts. The ACC-25/50 is activated via dry contact closure or notification appliance circuit.

The ACC-25/50ZS is the identical to Model ACC-25/50 with the ACC-ZPMK (Zone Page Module with Keypad) and ACC-ZSM (Zone Splitter Module) installed at the factory. The ACC-ZPMK is a module used for selective paging and connects to an RS-485 output of compatible fire alarm control panels as indicated in the FACP installation instructions. The ACC-ZSM splits the audio signal into 8 Styles Y (Class B) or 4 Style Z (Class A) circuits. The ACC-ZPMK and ACC-ZSM may also be sold separately (as sub-assemblies) and installed in the ACC-25/50 for retrofit purposes.

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 November 12, 2003, F.P. Index #0310028A.

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

1. Fire Alarm Control Panel MS-9200UD must provide for a fail-safe operation. This feature must assure that control of doors, locks, ventilation fans, and elevator recall will not be rendered inoperable in the event of a fire condition.

The design for the installation of MS-9200UD, 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 initiating devices 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 acceptable 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 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. The connection of security/burglar devices and equipment to a fire alarm panel is prohibited. A sign must be provided to indicate same.
3. Installation of pre-recorded evacuation messages or background music in the fire alarm control panel would require a prior approval from the Department.
4. Fire Alarm Voice Command Center ACC-25/50 and ACC-25/50ZS shall comply with the following:
 - a. The use, installation and application shall be restricted exclusively to connection with a MEA approved compatible Fire Command Station.
 - b. The fire command station shall have the capability of overriding any functions of the Fire Alarm Voice Command Center ACC-25/50 and ACC-25/50ZS.

- c. Approval shall be obtained from this Department prior to the installation.
 - d. A priority voice message matrix shall be submitted to this Department for approval before the installation is performed and shall include the following information:
 - 1. the duration of each message
 - 2. the content of each message
 - 3. the duration of the audible and visual alarm signals prior to the initiation of the subsequent prerecorded message transmission
 - 4. the interval between the cessation of the audible and visual alarm signals and the generation of the prerecorded message.
5. 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. Further, the installation shall be in accordance with the manufacturer's recommendation, NFPA 72 and UL Standard. The Fire Alarm equipment in this application shall be used only with listed and approved accessories with which the compatibility has been determined by the Engineer of Record or a UL test report.

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

Final Acceptance March 23 2004
Examined by Donald K. Hill