

**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 461-04-E

Report of Material and Equipment Acceptance Division

Manufacturer – Fike Corporation, 704 South 10th Street, Blue Springs MO 64015.

Trade Name(s) – SHP PRO.

Product – Fire Alarm, Fire Suppression Equipment.

Pertinent Code Section(s) – ANSI/NFPA, No. 72.

Prescribed Test(s) – UL864, ANSI/NFPA No. 72.

Laboratories – Underwriters Laboratories, Inc.; Factory Mutual.

Test Reports – UL 864, File S2203, Volume 18 issued February 5, 2004. UL letter dated November 1, 2004.

Description – SHP PRO is a conventional detection system for use with Clean Agent Extinguishing, sprinkler pre action/deluge, watermist, waterflow alarm, and fire alarm system. It is a microprocessor based system which can be easily configured for a wide range of suppression applications. Cross zone, sequential, manual release, abort, water flow and supervisory detection types. Three Class B, Style Y notification appliance circuits rated for 1.5 amps @ 24VDC. SHP PRO has Five Class B, (Style B) initiating circuits and has a dedicated release circuits compatible with agent release or solenoid actuation. SHP PRO has optional Class A module for notification appliances and initiating circuits. Alphanumeric LED display and 10 status LED's for troubleshooting. SHP PRO provides 1 resetable and 1 continuous 24 VDC, 2 amps auxiliary output power. SHP PRO has a Integral 4.0 amp power supply. Built into the hardware software the SHP PRO has Gentex and System Sensor synch protocol. Programmable pre-discharge and discharge timers. Approved for releasing device service and sprinkler supervisory.

The following is the minimum configuration to meet the NFPA requirements.

TABLE II

| <u>Module</u> | <u>Part No</u> | <u>Description</u> | <u>Central Station</u> | <u>Local</u> | <u>RS</u> |
|-----------------|-------------------|--|------------------------|--------------|-----------|
| SHP PRO | 10-063 | Includes main controller, transformer, and enclosure | Y | Y | Y |
| | 10-2450 | Class A Input Module | O | O | O |
| | 10-2448 | Class A Output Module | O | O | O |
| CRM4 (note2) | 10-2204 | Relay Module | O | O | O |
| ARM III (note2) | 10-1832 | Agent Release Module | O | O | O |
| DACT(note 1) | 10-2256 | Digital Alarm Communicator Transmitter | Y | O | Y |
| (note 1) | 10-107, 10-110 | Conventional Graphic Annunciator | O | O | O |

Note 1 - Separately Listed equipment provided in field.

Note 2 - Separately Listed subassembly.

Installation - These products are intended to be installed in accordance with the following:

- A. NFPA 70 - National Electrical Code.
- B. In accordance with the local authority having jurisdiction.
- C. NFPA 72 - National Fire Alarm Code.
- D. NFPA 12 - Standard on Carbon Dioxide Extinguishing Systems.
- E. NFPA 12A - Standard on Halon 1301 Fire Extinguishing Systems.
- F. NFPA 13 - Standard for Installation of Sprinkler Systems.
- G. NFPA 15 - Standard for Water Spray Fixed Systems.
- H. NFPA 16 - Standard for Deluge-Foam Water Systems.
- I. NFPA 2001 - Clean Agent Fire Extinguishing Systems.

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 December 8, 2004, F.P. Index No. 0411013A.

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

1. All uses, configurations, arrangements and functions, power supply and installation shall comply with the provisions of New York City Building Code, specifically Subchapter 17, and Reference Standard 17-3.
2. UL and manufacturer's installation, maintenance procedures and limitations shall be complied with.
3. The above referenced products shall be used only with listed and approved equipment and accessories with which the compatibility has been determined by the Engineer or Record or a UL test report.
4. When installed in a building with a Fire Command Station, all trouble and alarm signals generated at this releasing panel shall be reported to the Fire Command Station. All signals shall be of latching type.
5. 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.

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 Building Code.

Final Acceptance _____
Examined by _____