NYC Department of Buildings
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Patricia Lancaster, FAIA, Commissioner
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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 314-04-E Vol. 3

Manufacturer:	Siemens Building Technologies Inc. – Fire Safety, Inc., 8 Fernwood Road, Florham Park, NJ 07932
Trade Name(s):	Siemens, Faraday
Product:	Fire alarm equipment
Pertinent Code Section(s):	27-968 thru 27-981, RS 17-3 & RS 17-5
Test(s):	UL 864- 9th Edition, UL 268 and UL 268A
Laboratory:	Underwriters Laboratories, Inc.
Test Report(s):	(1) UL File S522, Project 06NK25119, issued April 24, 2002, revised April 24, 2007. (2) UL File S1510, Project 04NB42806, issued April 24, 2002, revised December 13, 2004. (3) UL File S1510, Project 06NK23359, issued July 11, 2007. (4) File S2378 – Issued Project: 05NK29661, Revised Project: 06NK19538 – issued January 13, 2006 and revised December 12, 2006. (5) Multiple Listing File S6082 issued January 26, 2006, revised April 4, 2007.

Description: Air Duct Housing, AD2-4W, and optional accessories, models TSP-40A (Thermal Strip Printer), D2300CPS (Multi-Mode Fiber Optic Repeater), D2325CPS (Single-Mode Fiber Optics Repeater), and D2300-MP (Mounting Plate for the XLS FireFinder Control Panel.

Model AD2-4W – Air Duct Housing, is designed to be used with only the PE-11 detector. This model is designed to be installed directly to heating, ventilating and air-conditioning duct systems. When equipped with photoelectric detectors, these units will signal the presence of hazardous quantities of products of combustion or smoke being carried through the duct system. The duct detector is comprised of a thermoplastic housing, listed open area detector, electrical components on interface boards, and a sampling and exhaust tubes. Sampling tubes used are models ST-10, ST-25, ST-50 or ST-100 depending on duct widths (*MEA #314-04-E, Vol. 2*).

Model DA-4W is the interface circuit-board with relays on board. These relays are utilized to operate any supplementary equipment when smoke or particles combustion is detected.

UL File S2378, Vol. 34, Sec. 1, issued January 13, 2006 (Project #06NK19538)

SIEMENS Model	Description	Faraday Model
AD2-4W	**Duct Smoke Detector with interface board DA-4W**	**8744**
DA-4W	**Interface circuit-board for model AD2-4W**	**DA-4W**

Model TSP-40A, listed below, is a thermal-strip printer designed for use with the Siemens Building Technologies, Fire Safety Division FireFinder XLS system. It mounts in the system's enclosure and its printout is visible through a window in the locked enclosure door.

The TSP-40A acts as an event-logging device providing a permanent history report of all system activities. It can also be used to provide system status reports, including a listing of all smoke detector sensitivities and thresholds. It uses thermal printer paper and can operate in both normal and compressed character modes. System events, such as 'Alarm' and 'Troubles', are indented and printed in caps for easy identification.

The printer operates from a 24VDC supply and will continue to operate from the system standby batteries in the event of main power loss.

UL File S522, Vol. 38, Sec. 1, issued April 24, 2002 (Project #06NK25119)

SIEMENS Model	Description
TSP-40A	**Thermal-strip Printer**

The models, D2300CPS – multimode & D2325CPS – single mode fiber optic interface modules, can be used to transmit RS-485 communication between two different FACP systems. This includes H-Net communication between FireFinder XLS main and remote panels and X-Net communication between MXL or FireFinder XLS panels.

Both D2300CPS and D2325CPS can act either as a repeater or an end-point unit. The fiber optic interface modules are powered by 24VDC from the fire alarm control panels.

Model D2300-MP – mounting plate, and the D2300CPS & D2325CPS modules can be mounted in any FireFinder XLS CAB enclosure (*MEA #202-02-E*).

UL File S1510, Vol. 31, Sec. 1, issued April 24, 2002 (Project #04NB42806)

SIEMENS Model	Description
D2300-MP	**Mounting Plate for fiber optic modules**

UL File S1510, Vol. 37, Sec. 1, issued July 11, 2007 (Project #06NK23359)

SIEMENS Model	Description
D2300CPS	**Multimode fiber optic repeater**
D2325CPS	**Single mode fiber optic repeater**

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 September 10, 2007, F.P. Index #0708047.

Terms and Conditions: The above-described units are accepted on condition that:

1. The use and application of above-referenced fiber optic repeaters shall be limited to building-to-building or campus-wide network communications.

2. The above-referenced repeaters shall not be used for fire alarm system installation within buildings. Fire alarm system installation in each protected building shall be in accordance with the requirements of Subchapter 17 of New York City Building Code.

3. The installation of above duct detectors shall provide for verification of any presence of any smoke condition on monitored air-flow from the duct to the detector.

4. Periodic maintenance and sensitivity tests of duct detectors shall be conducted in accordance with the regulations of the Fire Department.

5. The above products shall be used only with MEA-compatible and approved/accepted fire alarm equipment and accessories.

6. UL-listing requirements and manufacturer's maintenance procedures shall be complied with.

7. All uses, configurations, arrangements and functions application and installations shall be in accordance with applicable provisions of New York City Building Code, Subchapter 17, New York City Electrical Code, and other New York City codes, rules and regulations.

8. 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 in Section 27-131 of the New York City Building Code.

Final Acceptance October 31, 2007

Examined By Donald