



Report of Materials and Equipment Acceptance Division

NYC Department of Buildings
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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 35-93-E-14 (Correction)

Note: Per Fire Department letter dated October 25, 2005, Terms and Conditions (Recommendation) Item #1 has been corrected.

Manufacturer: Simplex Time Recorder Co., 100 Simplex Dr., Westminster, MA 01441-0001.

Trade Name(s): Simplex

Product: Fire Alarm Equipment

Pertinent Code Section(s): Reference Standard RS-17

Test(s): UL 864, UL 1076, UL 1480, UL 1730, UL 1971, UL 2017.

Laboratory: Underwriters Laboratories, Inc.

Test Report(s): File S771, Vol. 47, Sec. 1, Project 00NK40827 dated April 16, 2001, and Vol. 48, Sec. 1, dated November 5, 2001; File BP2801, Vol. 1, Sec. 5, dated April 20, 2001; File S2648, Project 00NK38384, Vol. 2, Sec. 3, dated August 25, 2000 and Vol. 2, Sec. 4, dated October 3, 2000, UL Letter dated March 15, 2002.

Description – Fire Alarm Equipment as follows:

Model	Product
The following products are found in UL File S771, Vol. 47, Sec. 1, 4-16-01 and have been evaluated to standards UL 864, UL 1076, UL 1730, and UL 2017.	
4100-9111	Standalone Control Unit with System Power Supply, CPU card and Front Display
4100-9121	Redundant Standalone Control Unit with System Power Supply, two CPU cards and two Front Displays
4100-9131	Network-Connected Control Unit with System Power Supply, CPU Card, but no Front Display
4100-9600	Transponder Unit with Transponder Interface Card and Power Distribution Interface (motherboard). The Transponder Interface Card communicates with the master panel and controls audio riser circuits
4100-9601	Transponder Unit (same as 4100-9600) but includes limited standalone (Local Mode) operation. Includes a Local Mode Controller Operator Interface Unit close-nipped to the transponder enclosure
4100-9602	Transponder Unit (same as 4100-9600) but the Transponder Interface Card does not include the communication circuit to the master panel. Communication with the master panel is over a network connection
4100-9610	Remote Annunciator (same as 4100-9600) but only intended for mounting LED/Switch cards
4100-9620	Audio Expansion Bay with Analog Audio Controller Card and Microphone Module
4100-9621	Audio Expansion Bay with Digital Audio Controller Card and Microphone Module
4100-9141	Network Display Unit with System Power Supply, CPU Card, Network Interface Card and Front Display
4100-9142	Audio Network Display Unit with Two System Power Supplies, CPU Cards, Network Interface Cards, and One Front Display
4100-5120	TrueAlert Power Supply. Provides 3 circuits for connection to addressable notification appliances (63 addresses maximum per circuit, 3 amps maximum per circuit) and an auxiliary power circuit (2 amps maximum). The total current capacity of the supply is 9 amps.
4090-9116	Communications Circuit Isolator for Addressable Initiating Devices Communication Circuit
4090-9117	Power Circuit Isolator for Addressable Initiating Devices Communication Circuit
4081-9306	External Battery Charger. 120 V, 60 Hz input. Charges batteries as large as 125 AH.
The following product is found in UL File S771, Vol. 48, Sec. 1, 11-5-01 and have been evaluated to standard UL 864.	
4090-9118	Addressable Relay Module with Supervised Contact Monitoring Input Circuit
4090-9119	Addressable Relay Module with Unsupervised Contact Monitoring Input Circuit
4090-9020	Addressable Input/Output Module with Four Supervised Contact Monitoring Input Circuits and Two, Form C Relay Contact Outputs
The following product is found in UL File BP2801, Vol. 1, Sec. 5, 4-20-01 and has been evaluated to standard UL 1076.	
4090-9121	Addressable Security Contact Monitoring Module

The following products are found in UL File S2648, Vol. 2, Sec. 3, 8-25-00 and have been evaluated to standards UL 1480 and UL 1971.	
4903-9196	Ceiling-Mounted Speaker/Strobe with 25 or 70.7 Vrms speaker input and 16 – 33 Vdc strobe input. 15 candela
4903-9197	Ceiling-Mounted Speaker/Strobe with 25 or 70.7 Vrms speaker input and 16 – 33 Vdc strobe input. 30 candela
4903-9198	Ceiling-Mounted Speaker/Strobe with 25 or 70.7 Vrms speaker input and 16 – 33 Vdc strobe input. 110 candela
The following products are found in UL File S2648, Vol. 2, Sec. 4, 10-3-00 and have been evaluated to standards UL 1480 and UL 1971.	
4903-9362	Ceiling-Mounted Speaker/Strobe with 25 or 70.7 Vrms speaker input and TrueAlert addressable strobe input. 15 candela
4903-9363	Ceiling-Mounted Speaker/Strobe with 25 or 70.7 Vrms speaker input and TrueAlert addressable strobe input. 75 candela
4903-9364	Ceiling-Mounted Speaker/Strobe with 25 or 70.7 Vrms speaker input and TrueAlert addressable strobe input. 110 candela

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

Recommendation – That the above units be accepted on condition that all uses, configurations, arrangements and functions, application and installations shall comply with the provisions of New York City Building Code, specifically Reference Standard 17-3. Further, the installation shall be in accordance with the manufacturer’s recommendation, NFPA 72 and the UL Standard and the UL Listing. The notification appliances shall be used only with listed and approved control panels with which the compatibility has been determined to be acceptable by the Engineer of Record or a UL test report and on further condition that:

1. With regards to the installation of control panels 4100-9111 and 4100-9121, the following conditions shall be complied with:

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.

The connection of security/burglar devices and equipment to a fire control panel is prohibited. A sign must be provided to indicate same.

2. Visual alarm signals shall have the following minimum photometry features:
- a) The lamp shall be a xenon strobe type.
 - b) The light source shall be clear or nominal white.
 - c) The maximum pulse duration shall be two-tenths of one second (0.2 second) with a maximum duty cycle of forty percent (40%).
 - d) The flash rate shall be a minimum of 1 Hz and no more than 2 Hz.

Note: While the intensity of some of the above referenced strobe lights meets the minimum requirements of the New York City Building Code, it shall not be misconstrued to mean that these visual appliance are in compliance with the rules of other agencies having jurisdiction such as ADA. Our recommendation for the approval of the above lights is based primarily on the prescribed provisions of the New York City Building Code and no other rules, regulations, or laws.

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 June 14, 2006
Examined by Donald Gotfried