



NYC Department of Buildings  
280 Broadway, New York, NY 10007  
Patricia Lancaster, FAIA, Commissioner  
(212) 566-5000, TTY: (212) 566-4769

## 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 476-91-E Vol. XIV

**Manufacturer:** Edwards Systems Technology, 8985 Town Center Parkway, Bradenton, FL 34202. Phone – 941-739-4200.

**Trade Name(s):** EST, Edwards, Mirtone

**Product:** Genesis Series Strobe and Horn Strobe with combo 15/75 candela rating Explosion proof fire alarm strobe, horns, and bells.

**Pertinent Code Section(s):** Section 27-968 through 977, Subchapter 17 and Reference Standard RS 17-3, RS 17-3A, RS 17-3B, and RS 17-3C of the New York City Building Code.

**Prescribed Test(s):** UL 1971, UL 864, UL 1203

**Laboratory:** Underwriters Laboratories Inc.

**Test Report(s):** S5389, Vol. 5, Sec. 3, issued May 5, 2003, revised March 11, 2005. S218, Vol. 9, Sec. 1, issued July 13, 2000, revised March 14, 2005. S218, Vol. 9, Sec. 2, issued May 22, 2003, revised March 14, 2005. E46293, Project 81NK12792A, issued December 15, 1981, revised March 28, 2005. ML File S6236 issued October 28, 1996, revised June 7, 2005. ML File S6237 issued November 18, 1996, revised June 7, 2005. ML file E175263 issued October 28, 1996. ML File S6288, issued May 2, 1997, revised August 27, 2003. ML File E4186, issued May 16, 1997, revised June 6, 2005.

**Description** – Genesis Series Signaling Appliances and Equipment, for the Hearing Impaired, Signaling Appliances for Fire Protective Signaling Systems and Audible Signaling Appliances. All strobes are synchronized in accordance with UL 1971 requirements. Explosion proof horns, bells and strobes. All horns, bells and strobes are 24 volts DC and for use on supervised fire alarm and smoke detection systems. All signaling devices are power limited in accordance with NEC 760.

Original Manufacturer: Edwards Systems Technology (EST)		Multiple Listee	
G1F-V1575	Strobe with 15/75 candela	EG1F-V1575	MG1F-V1575
G1RF-V1575	Strobe with 15/75 candela	EG1RF-V1575	MG1RF-V1575
G1F-HDV1575	Horn Strobe with 15/75 candela	EG1F-HDV1575	MG1F-HDV1575
G1RF-HDV1575	Horn Strobe with 15/75 candela	EG1RF-HDV1575	MG1RF-HDV1575
G1FCV1575	Chime Strobe with 15/75 candela	EG1F-CV1575	MG1F-CV1575
G1RF-CV1575	Chime Strobe with 15/75 candela	EG1RF-CV1575	MG1RF-CV1575
889D-AW	Explosion proof fire alarm horn	None	74339U
879DEX-G1	Explosion proof fire alarm horn	None	None
879EXP-G1	Explosion proof fire alarm horn	None	None

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 November 14, 2005, F.P. Index No. 0511011.

**Terms and Conditions** - That the above units be accepted on condition that:

1. All uses, configurations, arrangements and functions, applications and installations shall comply with the provisions of New York City Buildings Code, specifically Subchapter 17, and Reference Standards RS 17-3 through 17-5. Further, the installation shall be in accordance with the manufacturer's recommendation, and the UL Standards.
2. Installation and uses of above referenced explosion proof alarm horns for use in hazardous locations (Class I, Groups B, C, and D; Class II, Groups E, F, and G) shall be in accordance with applicable requirements of New York City Electrical Code also.
3. These notification appliances shall be used only with MEA approved control panels and accessories with which the compatibility has been determined to be acceptable by the Engineer of Record or a UL report.
4. 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: (a) 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 appliances 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.
- (b) Some of the above referenced notification appliances are not painted red as required by Reference Standard 17-3.7. Chimes alarm sounding devices may be installed only with the approval of the Commissioner as per Reference Standard 17-3.5. It is our position that in compliance with these Building Code Section, where a particular premises would benefit from the installation of notification appliances that are not painted red or where the bells and gongs are not audible, this Department would recommend that such authorization be considered for the installation of such devices on a case by case basis. This consideration shall be reviewed when the building owner demonstrates a special circumstance and need.

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 January 9, 2006  
Examined By [Signature]