Report of Materials and Equipment Acceptance Division

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

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 256-07-E

Manufacturer: Critical Environment Technologies, #145 – 7391 Vantage Way, Delta, BC, CANADA V4G 1M3

Trade Name(s): Critical Environment Technologies

Product: Carbon Monoxide toxic and combustible gas detection system

Pertinent Code Section(s): Reference Standard RS 17-3 & Subchapter 17

Prescribed Test(s): CSA C22.2, UL 508

Laboratory: Canadian Standards Association

Test Report(s): CSA Master Contract 200739, File No. LR105813, issued September 26, 2005.

Description: The PDC series Programmable Controller Gas Detection System is permanently connected, Input rated 90 to 240 VAC, 1.0 Amp max, 47 to 63 Hz, and Relay contacts rated 5 A max at 240 VAC, digital output 24 VDC, 1.36 A max. The PDC series is a microprocessor based gas detection controller that provides up to 8 analog channels and/or up to 128 digital channels of gas detection. It is compatible with any CET AST series, ATW series or DST series gas detection transmitters for toxic gases, combustible gases or oxygen. The PDC has a scrolling LCD display of gas and alarm condition, audible alarm, three levels of alarm indication and eight programmable relays.

The MAC series Programmable Controller Gas Detection System is permanently connected, Input rated 120 VAC, 60 Hz, 11 W max; 12 to 30 VAC or 16 to 30 VDC 583 mA, 7.5 W max; Relay contacts rated 5 A max at 120 VAC. The MAC series is a microprocessor based gas detection controller that provides up to 2 analog channels of gas detection. The MAC series have up to two integral sensors for toxic gases, combustible gases or oxygen. It is compatible with any CET AST series or ATW series

gas detection transmitters. The MAC has a LED display of alarm condition, audible alarm, two levels of alarm indication and two programmable relays.

The AST series Analog Gas Detection Transmitter is permanently connected, remote mount, Input rated 12 to 30 VAC or 16 to 30 VDC, 60 Hz, 104 mA, 1.7 W max, and output rated 4 – 20 mA. The AST series transmitters have an integral sensor for toxic gases, combustible gases or oxygen. It is compatible with any CET controller.

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 October 3, 2007, F.P. Index #0707048.

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

1. The AST (sensor/transmitter) and MAC (controller/sensor) shall not be used for detection of Carbon Monoxide, as required by Article 7, Subchapter 17 of New York City Building Code. The above products shall be used for detection if combustible gases in non-hazardous (non-explosion rated) environments for commercial HVAC and light industrial use.

2. All uses, arrangements and functions, application and installations shall comply with all applicable New York City codes, rules and regulations, especially New York City Electrical Code.

3. CSA International Approvals' listing requirements shall be adhered to.

4. All gas detectors shall be installed in accordance with the manufacturer's installation instructions.

5. AST Series Analog Transmitter is to be used with Mac Series Programmable Controller Gas Detection Systems only.

6. 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 23, 2007*

Examined By *Donald*