



NYC Department of Buildings
 280 Broadway, New York, NY 10007
 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 25-04-E

Manufacturer: Vulcain Alarme Inc., A Division of BW Technologies, 4005 Matte Blvd., Brossard, Quebec, Canada J4Y 2P4

Trade Name(s): Infrared Refrigerant Gas Detector Instrument

Product: Refrigerant Gas Monitor, Remote Annunciator Panel, provides an efficient interface between the gas transmitters and controller

Pertinent Code Section(s): 27-967 thru 27-977, Reference Standard RS 17-8

Prescribed Test(s): Electrical and Electronic Measuring and Testing Equipment – UL 1244, Fourth Edition, October 2000; Signal Equipment – CSA C22.2, No. 205-M1983 (R1999).

Laboratory: Intertek, ETL SEMKO

Test Report(s): #3051068, issued January 16, 2004.

Model No.	Description
VA301IRFT	Infrared refrigerant gas detector transmitter
VA301IRFS	Infrared refrigerant gas sensor transmitter
VA301AP	Infrared refrigerant annunciator panel

Description – The infrared refrigerant gas transmitter, Model VA-3011RFT, is permanently connected to supply, it provides data retransmission to VA-201C or VA-3-1C controller and has three relay outputs. The power supply is remote either 17 to 27 Vac or 24 to 38 Vdc. The infrared refrigerant gas sensor Model VA301IRFS is connected to the transmitter.

The remote sensor allows for accurate monitoring of the lowest gas concentration. This sensor can be placed at a distance of up to 100 feet from the transmitter. The transmitter is equipped with a backlight LCD display and keypad that can be placed at eye level, and at a different location from the refrigerant gas reading area; thus allowing the monitoring from a safe and remote location.

Furthermore, it offers 4-20mA output, relay outputs, modbus communication, audible alarm options and it is compatible with our VA-201C controller.

The annunciator panel, Model VA-301AP, provides an interface between the gas analyzers/transmitter and controller, giving visual indication of fault alarms within a remote location; it has three relays with contacts rated 250 Vac, 5A (two alarms and one fault or three faults).

Model VA301AP has the same enclosure and PCB as Model VA-301IRFT, only the programming of the microprocessor differs.

Pursuant to "Promulgation of the Rules Relating to Materials and Equipment Application Procedures" dated November 5, 1992, the Bureau of Fire Prevention has no objections letter dated May 18, 2004, F.P. Index #0403002A.

Terms and Conditions: That the above units, be accepted on condition that all:

1. Uses, configurations, arrangements and functions, applications and installations shall comply with the Provisions of New York City Buildings Code, specifically Reference Standard 17-3.
2. All wiring from the sensor to the transmitter and/or controller units shall be in rigid conduits.
3. Periodic inspections and calibration shall be conducted as per requirement of manufacturer's installation/operation manual.
4. The above referenced product shall be used only with MEA approved equipment and accessories.
5. Manufacturer's installation, maintenance procedures and limitations shall be complied with.

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

July 24, 2006

Examined By

Donald [Signature]