



# Report of Materials and Equipment Acceptance Division

NYC Department of Buildings  
280 Broadway, New York, NY 10007  
Patricia Lancaster, FAIA, Commissioner  
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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 296-07-E

**Manufacturer:** BeaconMedaes, 14408 W. 105<sup>th</sup> Street, Lenexa, KS 66215

**Trade Name(s):** BeaconMedaes

**Product:** Signaling devices for medical gas and vacuum systems

**Pertinent Code Section(s):** Reference Standards RS 16 & RS 17

**Prescribed Test(s):** UL 1069

**Laboratory:** Intertek Testing Services NA Inc.

**Test Report(s):** Listing Report No. 3037687A issued March 15, 2003 and revised April 24, 2007.

**Description:** TotalAlert2 and Mega2 are microprocessor controlled medical gas alarm systems which monitor gas/vacuum pressures and alarm non-compliant conditions as required by NFPA 99, Chapter 5.

TotalAlert2 model numbers: TA2M32, TA2M32R, TA2M64, and TA2M64R are master alarms that monitor 32 or 64 normally closed switched signals. Ten gas service indicators are user defined with slide-in labels. Each indicator has a green and red LED. When all switched signals assigned to an indicator are closed, the indicator illuminates green. When an input switch opens, the assigned indicator flashes red and a specific message for the condition appears on the vacuum fluorescent display. Messages are programmable through the front panel setup or by using the alarm panel web pages.

TotalAlert2 model numbers: TA2AL-XXXX, TA2AL-XXXXXXXX, TA2AN-XXXX, TA2AN-XXXXXXXX, TA2AR-XXXX, and TA2AR-XXXXXXXX, are area alarms that monitor gas/vacuum pressure in the pipeline. If the gas/vacuum pressure is within preset limits, the green NORMAL indicator for the gas service illuminates. If the gas/vacuum pressure drops below or rises above preset limits, the red LOW or HIGH indicator flashes.

TotalAlert2 model numbers: TA2C32-XXX, TA2C32-XXXXXX, TA2C32R-XXX, TA2C32R-XXXXXX, TA2C64-XXX, TA2C64-XXXXXX, TA2C64R-XXX, and TA2C64R-XXXXXX are combination master/area alarms that monitor 32 or 64 normally closed switched signals and up to 6 gas/vacuum pressure pipeline signals.

Mega2 model numbers: M2L-XXXX, M2L-XXXXXXXX, M2R-XXXX, M2R-XXXXXXXX, M2N-XXXX, and M2N-XXXXXXXX are master and area alarms that monitor up to 40 normally closed switched inputs and/or up to 8 gas/vacuum pipeline pressure signals. When an input switch closes, a green LED for the signal is illuminated. When an input switch opens, a red LED flashes and the audible alarm sounds. If the gas/vacuum pressure is within preset limits, the green NORMAL indicator for the service illuminates. If the gas/vacuum drops below or rises above preset limits, the red LOW or HIGH indicators flash.

The rough-in box is fabricated from 18 gauge (.0478) steel and the box mounting brackets are adjustable to accommodate for different wall thickness.

Input power to TotalAlert2 & Mega2 is: 115 to 220 VAC, 50 to 60 HZ.

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 27, 2007, F.P. Index #0708051.

**Terms and Conditions:** The above-described signaling devices are accepted under the following conditions:

1. All uses, configurations, arrangements and functions, application and installations shall comply with the applicable provisions of the New York City Building Code, specifically Reference Standards RS 16 & 17. Further, the installation shall be in accordance with the manufacturer's recommendations and the UL-standard.
2. The installation shall meet the applicable requirements of NFPA 99 of 1987.
3. The factory-set variable volume-control shall be such that it cannot be set at a level less than 80 dBA at 3 feet in accordance with the requirements of NFPA 99.
4. Literature available to the general public shall not include volume control as a feature of the panel.
5. 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 17, 2007.  
Examined By Donald [Signature]