

**CITY OF NEW YORK
DEPARTMENT OF BUILDINGS**

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in Accordance with the Report of the Material and Equipment Acceptance (MEA) Division.

Patricia J. Lancaster, F.A.I.A., Commissioner

**MEA 61-05-E
Report of Material and Equipment Acceptance Division**

Manufacturer- GENERAL MONITORS Inc., 26776 Simpatica Circle, Lake Forest, CA 92630 USA.

Trade Name- MC600 Multi-channel Controller.

Product- "MC600" Wall Mount combustible, toxic or oxygen deficiency gas detection controller, (ordinary or Class I Division 2 locations only), 6 channel, rated 24 VDC, 185 W max or 115-230VAC, 50/60 HZ, 185 W max; relay contacts rated 8A, 250V ac or 8A, 30V dc resistive, Encl. Type 4X, with any combination up to 6, of the following:

P/N 65101-1 4-20mA Signal Conditioning Card, for use with CSA Certified (hazardous locations) General Monitors Inc. detector models: TS 4000, TS400, TS420, IR2100, IR4000, IR5000, IR7000, S4000C, S4000T, S214, S216A, S104, S106A.

P/N 65111-1 HC Signal Conditioning Card, for use with CSA Certified (hazardous locations) General Monitors combustible sensors: 10001-1, 10001-1R, 10014-1, 10015-1, 10022-1, 10058-1, 10059-1, 10164-1, 11159-1L, 11159-2L.

P/N 65121-1 H2S MOS Signal Conditioning Card, for use with CSA Certified (hazardous locations) MOS H2S sensors: 50445-1, - 5, - 9; 50448-1, -5, -9; 50454-1,- 5,- 9; 50457-1,- 5, -9; 51457-1L,- 5L,- 9L.

Applicable Requirements-

**CSA Std C22.2 No. 142-M1987 - Process Control Equipment
CSA Std C22.2 No. 152-M1984 - Combustible Gas Detection Instruments
CAN/CSA -C22.2 No. 94-M91 - Special Purpose Enclosures
CAN/CSA -C22.2 No. 213-M1987- Non Incendive Electrical Equipment for use in Class I Div 2 Hazardous Locations**

Test report- by CSA International- issued November 15, 2002 revised December 14, 2004; Certificate 1263232, Project 1592352 – Toronto, Issued by M. Klaassen, P.E.

Description- The Model MC600 is a microprocessor-based multi-channel controller that provides six channels of continuous gas detection. It is compatible with General Monitors' hydrocarbon sensors, H₂S sensors, all versions of our combustible & H₂S intelligent/smart sensors, IR2100, IR5000, IR7000, TS4000, TS400 and TS420. It provides a front panel user interface including six independent LCD channel displays and keypad for setup, calibration and gas reading functions as well as ready, alarm & fault indicators. The MC600 also provides dual-RS485 serial communication utilizing MODBUS protocol.

Housing: Corrosion resistant, Type 4X, UV stable fiberglass, stainless steel hinges, lockable latches, and four conduit entry holes
Dimensions: 15.5" x 13.3" x 6.7" (395mm x 339mm x 171mm)
Weight: 12.75 lbs. (standard) 14.7 lbs. (with power supply)
Mounting Holes: Four 0.32" corner mounting holes suitable for 1/4 -20 bolts

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 March 2, 2005, F.P. Index No. 0502047.

Recommendations - That the above units be accepted on condition that:

1. All uses, configurations, arrangements and functions, application and installations shall comply with the provisions of New York City Building Code, specifically Subchapter 17, and Reference Standard 17-3. Further, the installation shall be in accordance with all applicable sections of the New York City Electrical Code.
2. The above referenced product shall be used only with MEA approved equipment and accessories.
3. CSA and manufacturer's installation, maintenance procedures and limitations shall be complied with.
4. The detector and sensor models used with this MC600 controller shall be in accordance with CSA Report/Certificate Number 1263232. The wiring from the detector/sensor to the controller shall be in metallic conduits.

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 acceptable for use, as provided in Section 27-131 of the Building Code.

Final Acceptance May 26, 2005
Examined by Donald [Signature]