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CERTIFICATE OF COMPLIANCE

HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

COMBUSTIBLE GAS DETECTORS, Fixed

Stationary Single Channel 4-20mA Combustible Gas Detector. Stand Alone Sensor/Transmitter 5100-28-IT Infrared Combustible Gas Detector and Remote Display option are explosionproof for installation in Class I, Division 1, Groups C and D, T6 Ta = +60°C hazardous indoor locations. Model 5100-28-IT Sensor/Transmitter monitors 0-100% LEL methane gas-in-air atmospheres. The instrument provides an eight-digit measurement display with magnetically coupled control functions, a 4-20mA measurement signal, and relay contacts; Trouble, Low and High Alarms. The optional Remote Display provides an eight-digit measurement display with magnetically coupled control functions, a 4-20mA measurement signal, and relay contacts; Trouble, Low and High Alarms. The transmitter is Approved to interface to the Sierra Monitor Model 5000 Gas detection control unit. The transmitter assembly is constructed of aluminum and includes IR processor module. The sensor assembly is constructed of aluminum and consists of the IR sensor. The sensor mounts integrally to the transmitter housing. The sensor is protected with flame arrester shield. The optional Remote Display is constructed of aluminum and includes IR processor module. The operating temperature range of the apparatus is -20°C to +60°C and operating voltage is 24 Vdc (nominal), 3 watts nominal 5 watts maximum power, relay contact ratings are 0.25A at 110Vdc/ac. In addition, the apparatus complies with CSA C22.2 NO. 152-M1984 Combustible Gas Detection Instruments. The following accessories are Approved for use with the 5100-28-IT Sensor/Transmitter: Included in the Approval are: combustible gas calibration delivery system Model 1200-26 with methane gas cylinder Model 1290-02 and delivery fitting Model 5360-00, calibration adaptors Models 5358-00 and 5358-01; The calibrator 1250-01 with regulator 1256-01 and cylinder 1260-02. This Approval covers use of the instruments when calibration is performed using the gas to be monitored and the alarm set points are preset within 10% of the calibration gas concentration.

FM Approved for:
Sierra Monitor Corp
Milpitas, CA United States



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This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

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|---------------------|-------|
| CSA C22.2 No. 0.4 | R2009 |
| CSA C22.2 No. 0.5 | R2008 |
| CSA C22.2 No. 30 | R2012 |
| CSA C22.2 No.152 | R2006 |
| CSA C22.2 No.1010.1 | 2004 |

Original Project ID: 0003047241

Approval Granted: July 30, 2014

Subsequent Revision Reports / Date Approval Amended

| Report Number | Date | Report Number | Date |
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FM Approvals LLC

J.E. Marquedant
Manager, Electrical Systems

30 July 2014

Date