



Member of the FM Global Group

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CERTIFICATE OF COMPLIANCE

HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

Stationary Gas Detection System. SENTRY system consists of 2, 4 and 8 channel controller Models 5000-02, 5000-04 and 5000-08 for connection to remote digital combustible gas sensor/transmitter 5100-02-IT. The system monitors 0-99% LFL of combustible gas-in-air atmospheres. The Model 5100-02-IT provides an eight-digit measurement display with magnetically coupled control functions, a 4-20mA measurement signal, and a RS485 measurement signal. The optional Remote Display (model 5394-51) connects to the 5100-02-IT via the 4-20mA measurement signal and 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 controller is for use in indoor or optional outdoor (Type 4X) nonhazardous locations, the combustible gas sensor/ transmitter Model 5100-02-IT is for use in Class I, Division 1, Groups B, C and D, T6 hazardous indoor locations. The controller is panel mounted and can be operated from 120 Vrms, 220 Vrms, 50/60 Hz or 12 V dc. The controller provides the following standard functions: 2, 4 or 8 channel measurement, displays, keypad and common High/Low Trouble alarm contacts. The following are FM Approved controller options: Model 5380-00 Controller 19 in. rack mounting accessory, Model 5383-00 Controller Type 4X enclosure, Model 5392-00 individual 8 channel high and low alarm contacts, and Model 5387-00 Serial RS-232 printer port software. Included in the Approval are: conventional and multiplexed sensor/transmitter installation configurations, normal and global calibration modes, user editable channel tag function, combustible gas calibration delivery system Model 1200-26 with gas cylinder; for methane (Model 1290-02) or hydrogen (Model 1250-01). A combustible gas calibration delivery fitting Model 5360-00, calibration adaptors Models 5358-00 and 5358-01. Operating temperatures are 0° to 50°C (32° to 122°F) for the controller, -40° to 80°C (-40° to 176°F) for the combustible gas sensor/transmitter. Approval covers use of the instrument when the instrument calibration is performed using the gas to be monitored and when the higher of the two alarm set points is preset within 10% LFL of the monitored calibration gas concentration.

FM Approved for:

Sierra Monitor Corporation
Milpitas, CA USA

To verify the availability of the Approved product, please refer to www.approvalguide.com



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

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

Original Project ID: 3047243

Approval Granted: September 18, 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

18 September 2014

Date

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