



Certificate of Compliance

Certificate: 1881439

Master Contract: 217005

Project: 2377257

Date Issued: January 14, 2011

Issued to: RAE Systems, Inc.
3775 North First St
San Jose, CA 95134
USA
Attention: James Pan

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Donald Theroux

Issued by: Donald Theroux

PRODUCTS

- CLASS 4828 82** - SIGNAL APPLIANCES-Toxic Gas Detection Instruments - For Hazardous Locations. Certified to U.S. Standards
- CLASS 4828 02** - SIGNAL APPLIANCES - Toxic Gas Detection Instruments - For Hazardous Locations

Class I, Division 1, Group A, B, C, D; T4

- Model FTD-2000, MeshGuard Portable Toxic Gas Detector, Ambient -40 °C to +50 °C, intrinsically safe when powered by RAE battery, p/n 500-0111-000 or an intrinsically safe external power source with matching entity parameter that does not exceed 3.6 V. Ci = 63 µF and Li/Ri = 3.5 µH/ohm.

Notes:



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APPLICABLE REQUIREMENTS

CAN/CSA Standard C22.2 No. 0-M91 (*Reaffirmed 2006*) - General Requirements - Canadian Electrical Code, Part II

CSA Standard C22.2 No. 142-M1987 (*Reaffirmed 2009*) - Process Control Equipment

CAN/CSA Standard C22.2 No. 157-92 (*Including update No. 2, June, 2006*) - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

ANSI/UL Standard 913 (*Seventh Edition, Dated July 31, 2006. With revisions through and including August 12, 2008*) - Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations

UL Standard 916 (*Fourth Edition, Dated December 17, 2007*) - Energy Management Equipment

MARKINGS

Markings appear on nameplate drawing D01-xxxx-CSA. This label uses CSA certified adhesive-type material Flexcon THERMAL film Select 21830 or Brady B-423.

The following markings are required.

- Submitter's identification
- Model number: As specified in the PRODUCTS section, above
- Electrical ratings: As specified in the PRODUCTS section, above.
- Hazardous Location designation, as specified in the PRODUCTS section, above.
- Temperature code: As specified in the PRODUCTS section, above.
- Manufacturing date in MMY format, or serial number, traceable to month of manufacture.
- CSA Monogram with c/us indicator as shown on the Certificate of Compliance.
- WARNING: DO NOT CHANGE OR CHARGE BATTERIES IN A HAZARDOUS LOCATION.
- WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY. (May be in User Manual)

Note - Jurisdictions in Canada may require these markings to also be provided in French language. It is the responsibility of the manufacturer to provide bilingual marking, where applicable, in accordance with the requirements of the Provincial Regulatory Authorities. It is the responsibility of the manufacturer to determine this requirement and have bilingual wording added to the "Markings".