



# Certificate of Compliance

**Certificate:** 2269415

**Master Contract:** 217005

**Project:** 2269415

**Date Issued:** June 25, 2010

**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.*



*Rich Masek*

**Issued by:** Rich Masek

## **PRODUCTS**

- CLASS 2258 84** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - - For Hazardous Locations - Certified to US Standards
- CLASS 2258 04** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

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

- Model FMC-400 Echo View Wireless Controller or Repeater, 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.

Note: The internal battery is to be replaced only when the area is known to be non-hazardous.

## **APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 0-M91 - General Requirements – Canadian Electrical Code, Part II



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CAN/CSA C22.2 No. 142-M1987 - Process Control Equipment

CAN/CSA-C22.2 No. 157-92 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations.

UL 913:2004 (6th Edition) - Intrinsically Safe Apparatus and Associated Apparatus

UL 916: 2007 - Energy Management Equipment

The following standards were used in whole or in part as a guideline.

IEC 60079-0:2007 (Ed 5) - Electrical apparatus for explosive gas atmospheres: General requirements

IEC 60079-11:2006 - Electrical apparatus for explosive gas atmospheres: Equipment protected by intrinsic safety "i"

#### **MARKINGS**

- Listee name: "RAE Systems", or CSA Master Contract Number "217005", adjacent to the CSA Mark in lieu of manufacturers name.
- Model number: As specified in the PRODUCTS section, above.
- Electrical ratings: As specified in the PRODUCTS section, above.
- Ambient temperature rating: As specified in the PRODUCTS section, above.
- Manufacturing date in MMY format, or serial number, traceable to month of manufacture.
- Enclosure ratings: "TYPE X", and "IP xx" (as appropriate).
- The CSA Mark, as shown on the Certificate of Conformity. "The product may bear one of the following CSA markings: CSA, or CSAUS, or CCSAUS."
- Hazardous Location designation, as specified in the PRODUCTS section, above.
- Temperature code: As specified in the PRODUCTS section, above.
- WARNING: Use only RAE 500-0111-000 for internal battery.
- WARNING – Read and Understand User's Manual before operating or servicing.



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- WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY.
- WARNING – To prevent ignition of flammable or combustible atmospheres, disconnect power before servicing”.
- WARNING – Do not replace internal battery in hazardous locations.