



# Certificate of Compliance

**Certificate:** 1457710

**Master Contract:** 157918

**Project:** 1637937

**Date Issued:** 2005/10/13

**Issued to:** BW Technologies Limited  
2840 2nd Ave SE  
Calgary, AB T2A 7X9  
Canada  
Attention: Thom Crawford

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'*



**Issued by:**

*P Andrew Redeker*

Andrew Redeker

**Authorized by:** Patricia Pasemko, Operations Manager

*Patricia Pasemko*

## **PRODUCTS**

**CLASS 4828 81** - SIGNAL APPLIANCES-Combustible Gas Detection Instruments - For Hazardous Location-Certified to U.S. Standards

**CLASS 4828 01** - SIGNAL APPLIANCES - - Combustible Gas Detection Instruments-For Hazardous Locations

Class I, Division 1, Groups A, B, C and D

Model RRJ-RW04 3-wire 4-20mA Combustible Gas Detector (0-100% LEL); Ambient Temperature -40 to +50°C; Temperature Code T6; Intrinsically Safe with the following Entity Parameters when installed as per Installation and Instruction Sheets D1423/3: Vmax = 30V, Imax = 113mA, Ci = 0uF, Li = 0uH

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.



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Note: The RRJ-RW04 is to be connected to a certified controller that has been performance tested and has zero and span adjustments.

**APPLICABLE REQUIREMENTS**

C22.2 No 0 - M1991 - General Requirements ? Canadian Electrical Code Part II.

C22.2 No 142 - M1987 - Process Control Equipment.

C22.2 No 152 - M1984 - Combustible Gas Detection Instruments.

C22.2 No 157 - M1992 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

UL 508, Seventeenth Edition - Industrial Control Equipment.

UL 913, Sixth Edition - Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, III, Division 1, Hazardous (Classified) Locations

ANSI/ISA 12.13.01-2000 - Performance Requirements, Combustible Gas Detectors



## *Supplement to Certificate of Compliance*

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*The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
1637937	2005/10/13	Update to project 1457710 to include Div 1 certification for Intrinsic Safety.
1457710	2003/09/12	Original Certification of Model RRJ-RW04 LEL Monitor for Class I, Div 2