



# Certificate of Compliance

**Certificate:** 1258773 **Master Contract:** 179806 (083777\_0\_000)  
**Project:** 70196912 **Date Issued:** 2018-09-21 2018-09-21  
**Issued to:** Bristol, Inc. dba Remote Automation Solutions  
1100 Buckingham St  
Watertown, Connecticut 06795  
USA  
**Attention:** Tammie Anderson

*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.*



**Issued by:** *Konstantin Rybalko*  
Konstantin Rybalko

## PRODUCTS

**CLASS - C225802** - PROCESS CONTROL EQUIPMENT-For Hazardous Locations  
**CLASS - C225882** - PROCESS CONTROL EQUIPMENT-For Hazardous Locations - Certified to US Standards

**Class I, Division 2, Groups A, B, C, & D, T4:**  
**Class I, Zone 2, AEx nA IIC T4:**  
**Ex nA IIC T4:**

- ROC800 Series Remote Operations Controller, Model W40134, input rated 11.25-16Vdc (PM-12 Power Module) or 20-30Vdc (PM-24 Power Module), 46W; ambient temperature range -40°C to +75°C, temperature code T4 (T4A when not using FFBUS INTFC module) or 11-30Vdc (PM-30 Power Module), 76W max., ambient temperature range -40°C to +75°C, temperature code T4. For use with the following modules: PM-12 power module, p/n W38185X0012; PM-24 power module, p/n W38245X0012; PM-30 power module, p/n W38374X0012 ;CPU, p/n W48071X0012; Series 2 CPU, p/n W48093X0012; FFBUS INTFC CPU, p/n W48088X0012; TC input, p/n W38189X0012; Relay output, p/n W38191X0012; Discrete output, p/n W38193X0012; Discrete input, p/n W38195X0012; Pulse input, p/n W38197X0012; Analog input, p/n's W38201X0012, W38203X0012 and W48094X0012; RTD input, p/n W38205X0012; APM, p/n W38257X0012; APM, p/n W38257X0022; HART, p/n's W38260X0012 and W48097X0022; Analog output, p/n W38269X0012; AC I/O, p/n W48089X0012; Modem, p/n W38213X0012; FF H1, p/n W28161X0012; FF H1PWR, p/n W28161X0022; MVS, p/n W38207X0012; MVS I/O, p/n W48095X0032; RS-485, p/n W38209X0012; RS-232,



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p/n W38211X0012; thermocouple input, Series 2 p/n W38366X0012, W48095X0042; DO Relay, Series 2, p/n W38350X0022, W48095X0042; RTD Input, Series 2, p/n W38351X0012, W48095X0042; RS-485 Application, p/n W38359X0022; Network Radio Module (no encryption), p/n 397205-01-5, Network Radio Module (128 bit encryption), p/n 397205-02-3, Network Radio Module (256 bit encryption) p/n 397205-03-1 and IEC62591 Interface (WiHART), p/n 397203-01-2. Device is for mounting in suitable enclosures where the final assembly is subject to acceptance of CSA or the inspection authority having jurisdiction.

- ROC800 Series Foundation Fieldbus Controller, Model W40198, input rated 10-30Vdc, 42W; ambient temperature range -40°C to +75°C, temperature code T4. For use with the following modules: FFBUS INTFC CPU, p/n W48088X0012; FF H1, p/n W28161X0012; FF H1PWR, p/n W28161X0022. Device is for mounting in suitable enclosures where the final assembly is subject to acceptance of CSA or the inspection authority having jurisdiction.

Conditions of Certification:

1. The equipment shall be fitted in an IP54 or better enclosure or be installed in an equivalent location. Any enclosure shall be suitably-certified or otherwise approved for the zone of use (zone 2).
2. The user/installer shall ensure that the rated input voltage is not exceeded in service.

**APPLICABLE REQUIREMENTS**

- |                                   |   |   |
|-----------------------------------|---|---|
| C22.2 No. 0 M1991                 | - | General Requirements – Canadian Electrical Code Part II   |
| C22.2 No. 0.4 M2004               | - | Bonding and Grounding of Electrical Equipment (Protective Grounding)  |
| C22.2 No. 142 M1987               | - | Process Control Equipment   |
| C22.2 No. 213 M1987               | - | Non-Incendive Electrical Equipment for use in Class I Division 2 Hazardous Locations                          |
| CAN/CSA E60079-0-02               | - | Electrical Apparatus for explosive gas atmospheres. Part 0; General Requirements                              |
| CAN/CSA E60079-15-02              | - | Electrical Apparatus for explosive gas atmospheres. Part 15; Electrical apparatus with type of protection “n” |
| UL 508 – 17 <sup>th</sup> Edition | - | Industrial Control Equipment  |
| UL 1604 – 3 <sup>rd</sup> Edition | - | Electrical Equipment for use in Class I and II Division 2 and Class III Hazardous (Classified) Locations      |
| UL 60079-0-02                     | - | Electrical Apparatus for explosive gas atmospheres. Part 0; General Requirements                              |
| UL 60079-15-02                    | - | Electrical Apparatus for explosive gas atmospheres. Part 15; Electrical apparatus with type of protection “n” |



## *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**

<b>Project</b>	<b>Date</b>	<b>Description</b>
70196912	2018-09-21	Update to CSA report 1258773 for addition of alternate APM module construction previously removed.
70190223	2018-07-24	Update to report 1258773 for modification of APM module.
70036990	2016-01-14	Update to Report 1258773 to include two different part numbers for the Network Radio Module.
2669216	2014-07-02	Update to report 1258773 to include addition of PM30 Power Supply and some minor drawing updates.
2567686	2013-01-21	Update to report 1258773 to include a new Network Radio Module.
2495423	2012-06-21	Update of report 1258773 to include the addition of a new IEC62591 Interface (WiHART), p/n 397203-01-2 card.
2419430	2011-08-26	Update to report 1258773 to include a new TC, DO Relay, RTD and RS-485 Application Modules for model W40134.
2166024	2009-08-11	Update of report 1258773 to add Model W40198 Foundation Fieldbus Controller Assembly and additional Modules
2087616	2008-10-17	Update to include new modules and backplanes: 1) Series 2 CPU Module, 2) Series 2 CPU Backplane, 3) Series 2 Expansion Backplane, 4) AC I/O Module & 5) MVS I/O Module.
1924817	2007-08-16	Addition of SMART Wireless Options
1650331	2005-04-12	Update to 1258773 to make correction to Zone ratings and remove IP66.
1547483	2005-02-01	Update report 1258773 to include ROC 803 & alternate modules