



# Certificate of Compliance

**Certificate:** 70061366

**Master Contract:** 265722 (265722)

**Project:** 70217944

**Date Issued:** 2019-03-29

**Issued to:** Contrec Ltd.  
Riverside  
Canal Road  
Sowerby Bridge, West Yorkshire HX6 2AY  
UNITED KINGDOM  
**Attention:** Tom Casson

*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:** Gary Benden  
Gary Benden

## PRODUCTS

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

### **Class I, Groups C and D T4:**

Rate Totalizer, Models 202Ai and 202Di or Alternate Model Numbers for 202Di as follows: 505.22, 505.24, 505.42, and 505.44. Rate Totalizers, 214Di Batch Controller, 220i Level Monitor and 250i Indicator; Battery (P/N S1200BATL) / Barrier powered; Maximum Ambient 60°C; intrinsically safe when connected as per manufacturer's drawing nos. 1884ID, 1885ID, 1886ID and 1887ID.

Rate Totalizer, Models 202Ai.xxA, 202Di.xxA. Rate Totalizers, 214Di and 214Di.xxA Batch Controller, 220i and 220i.xxA Level Monitor, 250i and 250i.xxA Indicator; Battery (P/N S1200BATL) / Barrier powered; Maximum Ambient 60°C; Intrinsically safe when connected as per manufacturer's drawing nos. 1884ID, 1885ID, 1886ID and 1887ID. Models 202Ai.xxA, 202Di.xxA, 220i.xxA, 250i.xxA, 214Di.xxA – identical with previously certified models accept a new alternate aluminium enclosure.



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The equipment has the following Entity Parameters:

**Models 202Ai, 220i, 250i, 202Ai.xxA, 220i.xxA, and 250i.xxA**

**Terminals 1 & 2, 3 & 4, 5 & 6, 7 & 8, 10 & 11**

V<sub>max</sub> = 28Vdc  
I<sub>max</sub> = 93mA  
P<sub>max</sub> = 0.653W  
C<sub>i</sub> = 0.02uF  
L<sub>i</sub> = 0 uH

**Models 202Di, 214Di 202Di.xxA, and 214Di.xxA**

**Terminals 7 & 8**

V<sub>max</sub> = 24V  
V<sub>oc</sub> = 10.0V  
I<sub>max</sub> = 20mA  
I<sub>sc</sub> = 9mA  
P<sub>max</sub> = 320mW  
C<sub>i</sub> = 0.002uF  
C<sub>a</sub> = 60uF  
L<sub>i</sub> = 0 mH  
L<sub>a</sub> = 1.5H

**Terminals 1 & 2, 3 & 4, 5 & 6**

V<sub>max</sub>=28V  
I<sub>max</sub>= 93mA  
P<sub>max</sub> = 0.653W  
C<sub>i</sub> = 0.1uF  
L<sub>i</sub> = 0 mH

**APPLICABLE REQUIREMENTS**

CSA C22.2 No 0-10	General Requirements - Canadian Electrical Code Part II.
CSA C22.2 No 142-M1987	Process Control Equipment.
CSA 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.

**MARKINGS**

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.



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Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

**The products listed 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.**

1. Manufacturer's name "Contrec Manufacturing", or CSA Master Contract Number "265722" in lieu of the Manufacturer's name adjacent to the CSA Mark.
2. Catalogue / Model designation.
3. Complete electrical rating (Entity parameters as stated above)
4. Date code / Serial number traceable to month and year of manufacture.
5. Hazardous Location designations.
6. The symbol "Exia".
7. The words "INTRINSICALLY SAFE, WHEN CONNECTED AS PER INSTALLATION DRAWING" (as specified in the PRODUCTS section, above)
8. Temperature Code T4
9. Maximum Ambient 60°C
10. The CSA Mark with or without 'C' and/or 'US' indicators, as shown on the Certificate of Compliance.
11. The following bilingual cautions: WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY.

Alternate marking labels - 1-2mm thick aluminium plate and attached via hammer drive screws to the top and side surface of the enclosure. Used with aluminium enclosure only.

**Nameplate adhesive label material approval information:**

Adhesive nameplate material, GE Lexan Type 8B35 with a Scotch 467MP adhesive. Used with plastic enclosure only.



## *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>
70217944	2019-03-29	Update to Report 70061366 to add an optional stainless steel collet for mounting purposes.
70121839	2017-05-16	Update to Report 70061366 to include Models 202Ai.xx A, 202Di.xx A, 220i.xx A, 250i.xx A, 214Di.xx A – identical with previously certified models except for a new alternate aluminum enclosure and alternate aluminum marking labels.
70061366	2016-05-18	Per CSA Transfer Report 265722-70054302: The 200 Series, called out under reports 244016-1110114 has been transferred to Contrec Manufacturing (UK) Ltd (Master Contract 265722).