



# Certificate of Compliance

**Certificate:** 2336317

**Master Contract:** 202993

**Project:** 2336317

**Date Issued:** October 15, 2010

**Issued to:** International Metal Engineering

Blk 13 Toa Payoh Lorong 8 06-05

Braddell Tech Park

Singapore, 319261

Singapore

Attention: Max Angelo Vijaya

*The products listed below are eligible to bear the CSA Mark shown*



*Ron Wildish*

**Issued by:** Ron Wildish

## **PRODUCTS**

**CLASS 4418 02** - OUTLET BOXES AND FITTINGS - Boxes - For Hazardous Locations

**Class I, Div. 1, Groups B, C and D; Class II, Div. 1, Groups E, F and G, Class III, Div. 1; Type 4X:**

7117a-b-c – Junction Box – Epoxy coated cast aluminum, Stainless steel with window or blind cover; -40 Deg. C < Ambient < + 85 Deg. C.

a = Model AE, AM, SE, SM, TE, TM, WE or WM.

b = Entry configuration 00, 01, 02, 03 or 04.

c = Entry Type: 05, 07, 18 or 26

8117a-b – Instrument Enclosure – Epoxy coated cast aluminum, Stainless steel with window or blind cover; -40 Deg. C < Ambient < + 85 Deg. C.

a = Model AE, AM, SE, SM, TE, TM, WE or WM.

b = Entry Type: 04, 05, 07, 08, 13, 17, 18, 19, 20, 37, 38, 41, 42, 43, 44 or 48

Note: The above housings are Certified for use only with other equipment where the suitability of the combination is to be determined by the CSA International.



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**Class I, Div. 1, Groups B, C and D; Class II, Div. 1, Groups E, F and G, Class III, Div. 1; Type 4:**

7117a-b-c – Junction Box – Cast finished aluminum with window or blind cover; -40 Deg. C < Ambient < + 85 Deg. C.

a = Model CE, CM, NE or NM.

b = Entry configuration 00, 01, 02, 03 or 04.

c = Entry Type: 05, 07, 18 or 26

Note: The above housings are Certified for use only with other equipment where the suitability of the combination is to be determined by the CSA International.

**CLASS 2258 02 PROCESS CONTROL EQUIPMENT - For Hazardous Locations**

**Class I, Div. 1, Groups B, C and D; Class II, Div. 1, Groups E, F and G, Class III, Div. 1; Type 4X:**

5117a-b-c Terminal Box – Epoxy coated cast aluminum, Stainless steel with window or blind cover; complete with Terminals, rated 600 Vmax, 20 Amps max; -40 Deg. C < Ambient < + 75 Deg. C; Temperature Coded as follows: Temperature Code T6 with maximum ambient of 75 Deg. C, electrical input of 13 A, 3.5 W; Temperature Code T6 with maximum ambient of 70 Deg. C, electrical input of 20 A, 7.5 W.

a = Model AE, AM, SE, SM, TE, TM, WE or WM.

b = Entry configuration 00, 01, 02, 03 or 04.

c = Entry Type: 05, 07, 18 or 26

**Class I, Div. 1, Groups B, C and D; Class II, Div. 1, Groups E, F and G, Class III, Div. 1; Type 4:**

5117a-b-c Terminal Box – Cast finished aluminum with window or blind cover; complete with Terminals, rated 600 Vmax, 20 Amps max; -40 Deg. C < Ambient < + 75 Deg. C; Temperature Coded as follows: Temperature Code T6 with maximum ambient of 75 Deg. C, electrical input of 13 A, 3.5 W; Temperature Code T6 with maximum ambient of 70 Deg. C, electrical input of 20 A, 7.5 W.

a = Model CE, CM, NE or NM.

b = Entry configuration 00, 01, 02, 03 or 04.

c = Entry Type: 05, 07, 18 or 26

**APPLICABLE REQUIREMENTS**

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



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C22.2 No. 25-1966 - Enclosures for Use in Class II, Groups E, F and G Hazardous Locations

C22.2 No. 30-M1986 - Explosion-Proof Enclosures for Use in Class I Hazardous Locations

CAN/CSA-C22.2 No. 94-M91 - Special Purpose Enclosures

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



## *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>
2336317	October 15, 2010	Model 7117 Series Junction Boxes, 8117 Series Instrument Enclosures and Model 5117 Series Terminal Boxes for CL I, Div 1, Grps B,C,D & CL II, Div. 1, Group E, F, G: Type 4/4X.