



# Certificate of Compliance

**Certificate:** 1717515

**Master Contract:** 231723

**Project:** 70068280

**Date Issued:** August 18, 2016

**Issued to:** **Limatherm SA**  
**ul. Tarnowska 1**  
**Limanowa, 34-600**  
**POLAND**

**Attention:** Honorata Janik

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



**Issued by:** *Salvatore Grasso*  
Salvatore Grasso

## **PRODUCTS**

**CLASS - C4418 02 - OUTLET BOXES AND FITTINGS-Boxes - For Hazardous Locations**

**Class I, Division 1, Groups A, B, C and D; Class II, Division 1, Groups E, F and G; Class III:**

Series XD-I and Series XD-I80 (including XD-I, XD-Iwin, XD-ILwin, XD-I80, XD-I80win, XD-I80C and XD-I80Cwin) Universal Instrument Housings, Type 4X, -40°C to +100°C and -40°C to +85°C for "win". All openings for conduit and sensor connection must be in NPT threads.

Special Conditions of Use:

1. For Class I Group A installation, conduit seal is required within 18 inches of enclosure.
2. For Class I Groups B, C and D installation, Instrument Housings have been evaluated for:
  - Conduit seal is required within 18 inches of enclosure: When using Incendive Electrical Components.
  - To permit Conduit Seal Not Required: When using Non-Incendive Electrical Components.The application of Conduit Seal with 18 inches verses Conduit Seal Not Required: to be determined as part of the end product assembly of electronics with Instrument Housing evaluation for the required Certification of the end use equipment assembly.



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**Ex d IIC:**

Series XD-I and Series XD-I80 (including XD-I, XD-Iwin, XD-ILwin, XD-I80, XD-I80win, XD-I80C and XD-I80Cwin) Universal Instrument Housings, IP66, -40°C to +100°C and -40°C to +85°C for "win".

**Special Conditions of Use:**

1. Conduit seal is required within 18 inches of enclosure.

**Class I, Division 1, Groups A, B, C and D; Class II, Division 1, Groups E, F and G; Class III:**

XD-SIabcd Series Universal Instrument Housings Type 4X. Ambient temperature range for the instrument housings is -50°C to +150°C when equipped with blind covers and VQM rubber O-ring, and -20°C to +200°C when equipped with blind covers and FKM rubber O-ring. For housings with window covers, ambient temperature range is -50°C to +85°C with VQM rubber O-ring, and -20°C to +85°C with FKM rubber O-ring.

**XD-SIabcd**

- a = Instrument cover: blank, win or Lwin.
- b = Material of seal: 4=VMQ rubber or 5=FKM rubber.
- c = Symbol of conduit thread: N2, N3 or PD.
- d = Symbol of process thread: M25, N2, N3, M2, M24, M27 or PD.

**Special Conditions of Use:**

1. For Class I Group A installation, conduit seal is required within 18 inches of enclosure.
2. For Class I Groups B, C and D installation, Instrument Housings have been evaluated for :
  - Conduit seal is required within 18 inches of enclosure: When using Incendive Electrical Components.
  - To permit Conduit Seal Not Required: When using Non-Incendive Electrical Components.The application of Conduit Seal with 18 inches verses Conduit Seal Not Required: to be determined as part of the end product assembly of electronics with Instrument Housing evaluation for the required Certification of the end use equipment assembly.



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### **APPLICABLE REQUIREMENTS**

- |                            |   |   |
|----------------------------|---|---|
| CAN/CSAC22.2 No 0-M1991    | - | General Requirements - Canadian Electrical Code Part II.                              |
| CAN/CSA C22.2 No. 25-1966  | - | Enclosures for Use in Class II, Groups E, F and G Hazardous Locations                 |
| CAN/CSA 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  |
| CAN/CSA E60079-1-02        | - | Electrical Apparatus for Explosive Gas Atmospheres--Part 1: Flameproof Enclosures "d" |
| CAN/CSA E60079-0-02        | - | Electrical Apparatus for Explosive Gas Atmospheres--Part 0: General Requirements      |
| C22.2 No. 60529:05         | - | Degree of Protection Provided by Enclosures (IP Code)                                 |
| CSA C22.2 No. 0.4 R2013    | - | Bonding and Grounding Electrical Equipment  |
| CSA C22.2 No. 0.5 R2012    | - | Threaded Conduit Entries  |
| CSA C22.2 No. 25 R2014     | - | Enclosures for Use in Class II Groups E, F and G Hazardous Locations                  |
| CSA C22.2 No. 30 R2012     | - | Explosionproof Enclosures For Use In Class I  |
| CSA C22.2 No. 94 R2011     | - | Special Purpose Enclosures  |



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## 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.

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.

Markings information as shown below and appear on a metal nameplate or adhesive aluminum foil which is secured to enclosure by screws. Separate labels are required for Division and Zone markings.

### Common CSA Markings for Division and Zone

- Company ID
- Model number
- Hazardous Location designation
- Ambient temperature range

### For Division

- Hazardous Location designation is: “Class I, Groups ABCD; Class II, Groups EFG; Class III”;
- Enclosure rating is: “Type 4X”; and
- Caution is: “For Class I Group A installation, conduit seal is required within 18 inches of enclosure”

### For Zone

- Hazardous Location designation is: “Ex d IIC, Class I, Zone 1”;
- Enclosure rating is: “IP 66”; and
- Caution is: “Conduit seal is required within 18 inches of enclosure”



## *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>
70068280	2016-08-18	Update of CSAc Certification report 1717515 to include new instrument housings of XD-SI, XD-SIwin, XD-SILwin as Class I Division I Group A, B, C, D; Class II Division I Group E, F, G and Class III; NEMA type 4X. Per review of submitted FM Approval Report.
70068261	2016-03-21	Update Report 1717515 to include change to wall thickness under blind holes to min. 3 mm and drawings.
70023983	2015-04-07	Update to Project 2623479 / Partial transfer of Series XD-A and XD-AD to report 70021280 / MC 263025. Re-classification of equipment from class 2258 02 to 4418 02
2623479	2013-07-05	Update to report 1717515 to cover descriptive documents revisions and addition of XD-ILwin Series housing.
2204132	2009-09-03	Update of Report 1717515 to add model variations to Series XD-A, alternate rubber O-ring and -50C ambient temperature.
2082597	2008-10-07	Update to Report 1717515 to include additional company marking, alt.paints and drawing revisions.
1717515	2005-11-29	Explosionproof Class I, Groups ABCD; Class II, Groups EFG; Class III; Class I, Zone 1, Ex d IIC and Type 4X & IP66 - Original Certification