



Certificate of Compliance

Certificate: 1458684 **Master Contract:** 221421
Project: 1809025 **Date Issued:** 2006/11/23
Issued to: Connection Technology Center, Inc.
590 Fishers Station Dr
Victor, NY 14564
USA
Attention: Mr. Tom LaRocque

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



Issued by: Wesley Van Hill

Authorized by: Patricia Pasemko, Operations Manager

PRODUCTS

- CLASS 2258 82** - PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to US Standards
- CLASS 2258 02** - PROCESS CONTROL EQUIPMENT - For Hazardous Locations
- CLASS 2258 84** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - - For Hazardous Locations - Certified to US Standards
- CLASS 2258 04** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations

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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CLASS 2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations - CERTIFIED TO US STANDARDS

Ex ia IIC, Zone 0, Zone 20; AEx ia IIC, Zone 0, Zone 20

Class I, Groups A, B, C, D; Class II, Groups E, F, G; Class III

Transducer Sensor - AC9** Series - Temperature code T3; ambient temperature range -54°C to +125°C

Transducer Sensor - LP8** and LP9** Series – Temperature Code T4; ambient temperature range -40°C to +80°C

Intrinsically safe with Entity Parameters – $U_i = 28\text{VDC}$, $I_i = 100\text{mA}$, $P_i = 1\text{W}$, $C_i = 70\text{nF}$, $L_i = 51\mu\text{H}$

Note: Asterisks “**” denotes alpha-numeric characteristic denoting mounting configurations, connector types or approval agencies per drawings INS10017 and INS10018.

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

CLASS 2258 82 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to US Standards

Ex nA IIC, Zone 2, Zone 22; AEx nA IIC, Zone 2, Zone 22

Class I, Division 2, Groups A, B, C, and D; Class II, Division 2, Groups F and G; Class III

Transducer Sensor - AC9** Series - Temperature code T3; ambient temperature range -54°C to +125°C

Transducer Sensor - LP8** and LP9** Series – Temperature Code T4; ambient temperature range -40°C to +80°C

NOTE: Class I, Division 2 / Ex nA IIC when installed using an approved Zone 2 / Division 2 rated cable in accordance with the CEC or the NEC. Suitability of final installation is to be determined by the authority having local jurisdiction.

Note: Asterisks “**” denotes alpha-numeric characteristic denoting mounting configurations, connector types or approval agencies per drawings INS10038 and INS10039.

APPLICABLE REQUIREMENTS

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

CSA Standard C22.2 No. 25-M1966 - Enclosures for Use in Class II Groups E, F and G Hazardous Locations

CSA Standard C22.2 No.142-M1987 – Process Control Equipment

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



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CSA Standard 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 E60079-11:02 - Electrical apparatus for explosive gas atmospheres – Part 11: Intrinsic safety "i"

CAN/CSA E60079-15:02 - Electrical apparatus for explosive gas atmospheres - Part 15: Type of protection "n"

CAN/CSA-E61241-1-1:02 - Electrical apparatus for use in the presence of combustible dust – Part 1-1: Electrical apparatus protected by enclosures and surface temperature limitation – Specification for apparatus

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

UL Standard 916, Third Edition - Safety Energy Management Equipment

UL Standard 1203, Fourth Edition – Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations

UL 60079-0, Fourth Edition - Electrical Apparatus for Explosive Gas Atmospheres – Part 0: General Requirements

UL 60079-11, First Edition - Electrical apparatus for explosive gas atmospheres – Part 11: Intrinsic safety "i"

UL 60079-15, First Edition - 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

Project	Date	Description
1809025	2006/11/23	Update to Report 1458684 to include div / zone 2 requirements.
1531993	2004/03/23	Update to Report 1458684 to Cover model series variation.
1458684	2004/02/04	CSA C/US Certification of I.S. Transducer Sensor, Model Series AC9**, LP8** and LP9** with Entity Parameters for Hazardous Locations.