



Certificate of Compliance

Certificate: 2341447

Master Contract: 150861

Project: 2341447

Date Issued: March 3, 2011

Issued to: **Detcon Incorporated**

**3200 Research Forest Dr Bldg A-1
The Woodlands, TX 77381
USA
Attention: Bob Masi**

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.



Dorin Stochitoiu

Issued by: Dorin Stochitoiu, P.Eng

PRODUCTS

CLASS 4828 02 - SIGNAL APPLIANCES - Toxic Gas Detection Instruments - For Hazardous Locations

CLASS 4828 82 - SIGNAL APPLIANCES-Toxic Gas Detection Instruments - For Hazardous Locations. Certified to U.S. Standards

Class I, Division 1, Groups A, B, C and D

DM-100 toxic gas detector, input rated 10Vdc to 28Vdc, 4-20mA loop and RS485 communication, Explosion-proof with integral intrinsically safe sensor, $U_m=60V$, or Intrinsically Safe with entity parameters $U_{max}=30V$, $I_{max}=300mA$, $P_i=1W$, $C_i=0nF$, $L_i=0mH$, when installed per control drawing 3993; Ambient Temperature Range $-40^{\circ}C$ to $50^{\circ}C$, Temperature Code T4.

APPLICABLE REQUIREMENTS

CSA Std. 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.30-M1986 - Explosion-Proof Enclosures for Use in Class I Hazardous Locations



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

UL No. 916-2007 - Energy Management Equipment

UL No. 1203-2006 - Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations

UL No. 913-2008 - Intrinsically Safe Apparatus and Associated Apparatus for use in Class I, II, III, Division 1, Hazardous (Classified) Locations



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
2341447	March 3, 2011	Original Certification