



Certificate of Compliance

Certificate: 1839123 (LR 97594)

Master Contract: 160220

Project: 1839123

Date Issued: 2007/08/24

Issued to: Draeger Canada Limited

7555 Danbro Cres
Mississauga, ON L5N 6P9
Canada
Attention: Mr. Sasha Vuksanov

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



Issued by: Glenn Black

Authorized by: Patricia Pasemko, Operations Manager

PRODUCTS

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

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

CLASS 4828 81 - SIGNAL APPLIANCES-Combustible Gas Detection Instruments - For Hazardous Location-Certified to U.S. Standards

CLASS 4828 01 - SIGNAL APPLIANCES - - Combustible Gas Detection Instruments-For Hazardous Locations

CLASS 4828 01

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 4828 81

Class I, Div. 1, Groups B, C and D; Class II, Div. 1, Groups E, F and G;

Class I, Zone 1, Group IIB + H2

Type 4X

Model IDS0101, input rated 9 to 30 V dc, 9 W, output rated 4-20 mA . May be used with splash guard, flow cell plate and bump test plate. Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

Model IDS0102, input rated 9 to 30 V dc, 9 W, output rated 4-20 mA . May be used with splash guard, flow cell plate and bump test plate. Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

CLASS 4828 02

CLASS 4828 82

Class I, Div. 1, Groups B, C and D; Class II, Div. 1, Groups E, F and G;

Class I, Zone 1, Group IIB + H2

Type 4X

Model IDS0105, input rated 9 to 30 V dc, 9 W, output rated 4-20 mA . May be used with splash guard, flow cell plate and bump test plate. Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

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
CSA Std C22.2 No. 30-M1986	Explosion-Proof Enclosures for Use in Class I Hazardous Locations
CSA Std C22.2 No.152-M1984	Combustible Gas Detection Instruments
CSA Std C22.2 No.142-M1987	Process Control Equipment
UL50, Eleventh Edition,	Enclosures for Electrical Equipment
UL508, Seventeenth Edition,	Industrial Control Equipment
UL 1203 (4th Ed.) Hazardous (Classified) Locations	Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in
IEC E60079-0:04 Requirements	Electrical apparatus for explosive gas atmospheres - Part 0: General
IEC E60079-1:05 Enclosures "d"	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof
CENELEC EN 60079-0:06 Requirements	Electrical apparatus for explosive gas atmospheres - Part 0: General
CENELEC EN60079-1:04 Enclosures "d"	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof
ISA-12-13.01-2000	Performance Requirements for Combustible Gas Detectors

MARKINGS

- CSA Monogram with C US indicator;
- Company name;
- Model number;
- Electrical rating;
- Hazardous locations designation;
- Temperature Code
- Special purpose enclosure designation, "TYPE 4X";



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- Maximum and Minimum ambient;
- Caution re do not open cover while circuits are live;
- Statement: Leads factory sealed
- The wording " C22.2 No. 152" for Models IDS 0101 and IDS 0102;
- Warning: Read Manual before operating



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
1839123	2007/08/24	Stationary Gas Detectors Models IDS 0101, IDS 0102 and IDS 0105

History

Supplement Notes