



Certificate of Compliance

Certificate: 1773527

Master Contract: 224046

Project: 2679726

Date Issued: February 5, 2014

Issued to: Simtronics AS

PO Box 314 Økern

Oslo, 0511

Norway

Attention: Even Rognlien

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.



Zahra Amini

Issued by: Zahra Amini

PRODUCTS

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

Ex de IIC T6

Class I, Division 2, Groups A, B, C, and D

Model GD10-P00 CH4 and GD10-P00 C3H8 detector with HART, rated 18-32 Vdc, 0.3 A, 3.5 W with 4 to 20 mA output signal. Ta -40 deg. C to +65 deg. C. May be used with the weather protection kit p/n 499-810913.

Model GD10-PE0 CH4 detector with HART, rated 18-32 Vdc, 0.3 A, 3.5 W with 4 to 20 mA output signal. Ta -40 deg. C to +65 deg. C. May be used with the weather protection kit p/n 499-815430.

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

Ex de IIC T6

Class I, Division 2, Groups A, B, C, and D

Model GD10-P00 CO2 detector with HART, rated 18-32 Vdc, 0.3 A, 3.5 W with 4 to 20 mA output signal. Ta -40 deg. C to +65 deg. C. May be used with the weather protection kit p/n 499-810913.

Model GD10-PE0 CO2 detector with HART, rated 18-32 Vdc, 0.3 A, 3.5 W with 4 to 20 mA output signal. Ta -40 deg. C to +65 deg. C. May be used with the weather protection kit p/n 499-815430.



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

Class I, Division 2, Groups A, B, C, and D

Model GD10-P00 CH₄ and GD10-P00 C₃H₈ Detector with HART; rated 18-32 Vdc, 0.3 A, 3.5 W with 4 to 20 mA output signal. Ta -40 deg. C to +65 deg. C. May be used with the weather protection kit p/n 499-810913.

Model GD10-PE0 CH₄ Detector with HART; rated 18-32 Vdc, 0.3 A, 3.5 W with 4 to 20 mA output signal. Ta -40 deg. C to +65 deg. C. May be used with the weather protection kit p/n 499-815430.

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

Class I, Division 2, Groups A, B, C, and D

Model GD10-P00 CO₂ Detector with HART; rated 18-32 Vdc, 0.3 A, 3.5 W with 4 to 20 mA output signal. Ta -40 deg. C to +65 deg. C. May be used with the weather protection kit p/n 499-810913.

Model GD10-PE0 CO₂ Detector with HART; rated 18-32 Vdc, 0.3 A, 3.5 W with 4 to 20 mA output signal. Ta -40 deg. C to +65 deg. C. May be used with the weather protection kit p/n 499-815430

APPLICABLE REQUIREMENTS

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

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

CSA Standard C22.2 No.152-M1984 - Combustible Gas Detection Instruments.

CAN/CSA E79-0:02 - Electrical apparatus for explosive gas atmospheres. PART 0: General requirements.

CAN/CSA E79-1:02 - Electrical apparatus for explosive gas atmospheres. PART 1: Construction and verification test of flameproof enclosures of electrical apparatus.

CAN/CSA E79-7:02 - Electrical apparatus for explosive gas atmospheres. PART 7: Increased Safety – type of protection “e”.

CSA Standard C22.2 No. 213-M1987 - Non-incendive electrical equipment for use in class I, division 2 Hazardous locations

ANSI/ISA 12.13.01-2000 - Performance Requirements for Combustible Gas Detectors

ANSI/ISA 12.12.01 - Non-incendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations



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UL 916 - UL Standard for Safety Energy Management Equipment - Fourth Edition; Reprint with Revisions through and Including September 10, 2013

MARKINGS

Company name;

Model designation;

Electrical rating; input rated 18-32vdc, 0.3 A, 3.5W with 4-20mA output;

Date code or serial number;

Hazardous locations designation:

Ex de IIC T6 and Class 1 Division 2 , Groups A, B, C , and D for Canada

Class 1 Division 2 , Groups A, B, C, and D for US

The words “ C22.2 No. 152” for combustible gas detectors only;

CSA mark with C and US subscripts;

Ta -40 Deg. C to +65 Deg. C;



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
2679726	Feb 5, 2014	Update to Report 1773527 to revise some drawings, and add cCSAus for Class 1 Div.2 Group A, B, C, D for combustible and Toxic Gas detectors model GD10-P00 CH4/C3H8/CO2, GD10-PE0 CH4/CO2.
2573040	Jan 22, 2013	Update to report 1773527 to include Propane gas version of IR detector GD10P and latest revision of Instruction manuals, and documents 599-809465, NEM 07.0006, 599-809465.
2323962	Jul 6, 2011	Update of report to include cover delisting of models without Hart, revised model nomenclature for models with Hart, addition of model GD10-PE0 CO2 detector and alternate electronics module.
2241818	Jan 22, 2010	Update report to include revised marking drawing.
2128073	Jun 10, 2009	Update of report 1773527 to include GD10P CH4 detector with HART, GD10PE CH4 detector with and without HART and GD10P CO2 detector with and without HART.
1990644	Jan 29, 2008	Update to cover revised construction
1773527	Nov 14, 2006	Original Certification