



Certificate of Compliance

Certificate: 1103317

Master Contract: 188796

Project: 70203767

Date Issued: November 26, 2018

Issued to: Telematic Controls Inc.
3368 114 Avenue SE
Douglasdale Business Park
Calgary, AB T2Z 3V6
Canada

Attention: Mark Rietveld

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.



Issued by: Jordy Sehn
Jordy Sehn

PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

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

Class I, Groups B, C and D;

Ex d IIB + H2; AEx d IIB + H2 (Class I, Zone 1, Group IIB + H2);

Enclosure Type 4/IP55;

CLC Series 800, Flow, Level, Interface and Temperature Switches.

Input/Supply Rated 12/24 Vdc or 120/240Vac, 50/60 Hz., 6W max.; Output/Contacts Rated 120Vac max, 30Vdc max, 4A max.

Temperature Code T3; Operation Ambient -55 °C to +65 °C; Maximum Working Pressure 24 MPa (3481 PSI), Single Seal when used with the approved probes.



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APPLICABLE REQUIREMENTS

CSA Standard C22.2 No 0 M1991 - General Requirements - Canadian Electrical Code Part II.
CSA Standard C22.2 No 0.4-04 - Bonding and Grounding of Electrical Equipment (Protective Grounding).
CSA Standard C22.2 No 0.5-M1982 - Threaded Conduit Entries.
CSA Standard C22.2 No 30-M1986 - Explosion-proof Enclosures for Use in Class I Hazardous Locations.
CSA Standard C22.2 No 94-M1991 - Special Purpose Enclosures.
CSA Standard C22.2 No 142-M1987 - Process Control Equipment.
CSA Standard C22.2 No. 60529:05 - Degrees of Protection Provided by Enclosures (IP Code).
CAN/CSA E60079-0: 07 - Electrical apparatus for explosive gas atmospheres - Part 0 - General requirements.
CAN/CSA E60079-1: 07 - Electrical apparatus for explosive gas atmospheres - Part 1 - Flameproof enclosures
UL - 50, Eleventh Edition - Enclosures for Electrical Equipment.
UL - 508, Seventeenth Edition - Industrial Control Equipment.
UL - 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 60079-1 - Fifth Edition - Electrical Apparatus for Explosive Gas Atmosphere- Part 1 - Flameproof Enclosures d.
ANSI/IEC 60529-2004 - Degrees of Protection Provided by Enclosures (IP Code).
ANSI/ISA 12.27.01: 2003 - Requirements for Process Sealing Between Electrical Systems and Flammable or Combustible Process Fluids.

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.



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The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

The products listed 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.

METHOD OF MARKING:

The marking is an adhesive metal foil nameplate applied to the side of the electronics housing (previously accepted under CSA file LR 112008-1).

The following markings/indications are permanently applied to the product:

- (1) Submitter's name, trademark, or the CSA file number (adjacent the CSA Mark).
- (2) Catalogue / Model designation.
- (3) Complete electrical rating (amps, hertz, and volts).
- (4) Date code / Serial number traceable to month and year of manufacture.
- (5) Hazardous Location designations.
- (6) Temperature code T3.
- (7) The Term "Single Seal"
- (8) Ambient range (-55 to +65 °C)
- (9) Process Temperature Range (-55°C to +200°C)
- (10) Maximum working pressure in pascals (24 MPa) or Pounds per Square Inch (3481 PSI)
- (11) CSA Enclosure Type 4 (IP55).
- (12) The CSA Mark with adjacent indicator "C" and "US" or with adjacent indicator NRTL
- (13) The following bilingual cautions: "CAUTION: OPEN CIRCUIT BEFORE REMOVING COVER" and, "ATTENTION: OUVRIR LE CIRCUIT AVANT D'ENLEVER LE COUVERCLE" or, "CAUTION: KEEP COVERS TIGHT WHILE CIRCUITS ARE ALIVE" and, "ATTENTION: GARDER LE COUVERCLE BIEN FERME TANT QUE LES CIRCUITS SONT SOUS TENSION" or the equivalent.
"WARNING - TO REDUCE THE RISK OF IGNITION OF HAZARDOUS ATMOSPHERES, CONDUIT RUNS MUST HAVE A SEALING FITTING CONNECTED WITHIN 18 INCHES OF THE ENCLOSURE"

Accompanying Documents:

An operating manual is provided that specifies proper procedures for operating, maintenance and particular technical characteristics and safe use



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
70203767	Nov 26, 2018	Update to report 1103317 to remove the KXT Series 900 and CLC Series 800 logic boards from the controlled documents and to add instructions for field services to flag any significant logic board revisions, which would impair the method of protection.
2563889	Mar 11, 2013	Update report 1103317: include alternative AC to DC power supply, revised circuit board and drawings.
2056462	Jan 28, 2009	Update report 1103317 to include "Single Seal" evaluation and testing to ANSI/ISA 12.27.01-2003 of the Model Series 800, continuation to project 1961719.
1798485	Sep 18, 2006	Update Report 1103317 to include ingress rating IP55 and alternative Components.
1182547	Aug 14, 2001	Update to include evaluation for U.S. Standards..
1182546	Aug 14, 2001	Update to include logic board changes and include designations KXT Series 900, CLS Series 800 and FXT Series 220.
1156279	Dec 15, 2000	Update to include alternative power supply components for 120/240Vac operation; include address change.
1103317	Aug 1, 2000	Report re-issued (Supersedes Report LR 112008-2); Update to include alternative enclosure lid.
LR 112008-2	Oct 23, 1998	Original evaluation of Series KXT, CLC and FXT.