



Certificate of Compliance

Certificate: 1103317

Master Contract: 188796

Project: 80161574

Date Issued: April 21, 2023

Issued To: Telematic Controls Inc.
3368 114 Avenue SE
Calgary, Alberta, 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: Jerry Thai
Jerry Thai



PRODUCTS

CLASS - C225882 - PROCESS CONTROL EQUIPMENT For Hazardous Locations - Certified to US Standards

CLASS - C225802 - PROCESS CONTROL EQUIPMENT For Hazardous Locations

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;

Flow, Level, Interface and Temperature Switches CLC Series 800;
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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Note:

1. NPT joints must be secured wrench tight.
2. The electronics enclosure cover must be secured hand tight.

APPLICABLE REQUIREMENTS

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.
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 d.
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/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.

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.



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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) Manufacturer's name trademark, or the CSA file number (adjacent the CSA Mark).
- (2) Catalogue / Model designation: As specified in the PRODUCTS section, above.
- (3) Electrical ratings: As specified in the PRODUCTS section, above.(amps, hertz, and volts).
- (4) Date code / Serial number traceable to month and year of manufacture.
- (5) Hazardous Location designations: As specified in the PRODUCTS section, above.
- (6) Temperature code : T3
- (7) The Term "Single Seal"
- (8) Ambient temperature rating: (-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"

Notes:

Products certified under Class C225802, C225882 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





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
80161574	2023-04-21	<p>FIR follow-up, update to report 1103317 (FC# 188797) FIR dated February 6, 2023, Report 1103317</p> <p>Add alternative components (terminal strips, encapsulant, switch mode power supply modules), minor drawing changes and editorial changes for clarity</p>
80118607	2022-04-11	<p>Update to report 1103317 to address the following modifications:</p> <ol style="list-style-type: none">1. Removal of 1 ¼” entry enclosure and addition of ½” entry enclosure.2. Dimension changes to gland assembly.3. Drawing updates to incorporate modifications 1 and 2 as well as editorial changes.
70213371	2019-04-18	<p>Update to report 1103317 to include following modifications:</p> <ol style="list-style-type: none">1. Update the probe assembly to change the pipe diameter to 1/2 or 3/8 NPS pipe diameter with NPT process connection threads.2. Removal of obsolete models KXT (Part A) and FXT (Part C)3. Update to descriptive documents.
70203767	2018-11-26	<p>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 future significant logic board revisions which could impair the method of protection. Note: Assuming no testing as the logic board is not physically removed and it still functional. Only the document package is being removed. If testing is deemed necessary by the certifier, additional cost will incur."</p>
2563889	2013-03-11	<p>update: include alternative AC to DC power supply, revised circuit board and drawings</p>
2056462	2009-01-28	<p>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.</p>



1798485

2006-09-18

Update Report 1103317 to include ingress rating IP55 and alternative components