



Certificate of Compliance

Certificate: 80154042

Master Contract: 150143

Project: 80154042

Date Issued: 2024-03-27

Issued To: Altronic, LLC
712 Trumbull Ave
Girard, Ohio, 44420
United States

Attention: Glenn Terry

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.

Donald Seto

Issued by: Donald Seto



PRODUCTS

CLASS - C225802 - PROCESS CONTROL EQUIPMENT For Hazardous Locations

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

Class I, Division 2, Groups A, B, C, D. T4

Nonincendive computer module, Model ACM-4000 part number 691810-x: Rated 11-to 32Vdc, 0.17 to 0.54A, 6W Max, Ambient temperature - 40°C to 85°C. Temperature Code T4.



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Conditions of Acceptability:

1. The ACM-4000 is OPEN type module shall be installed within a suitable end-use enclosure that requires a tool to access, and is appropriately certified, providing a suitable minimum ingress protection level for the intended installation site.
2. The ACM-4000 may only be powered by a power supply unit with a limited energy electric circuit in accordance with CAN/CSA C22.2 No. 61010-1-12 and ANSI/UL 61010-1, or Class 2 as defined in the Canadian Electrical Code C22.1, Section 16-200 and/or National Electrical Code (NFPA 70), article 725.121.
3. ACM-4000 part number 691810-x installed in hazardous area shall be installed on a fixed rail in a suitable end-use enclosure
4. USB C (USB 1, USB 2, USB OTG) and PCIE connectors are to be used solely for operational maintenance. Not to be used in normal operating conditions in hazardous locations
5. USB A cables suitable for use with ACM 400 in normal operation shall meet the construction requirements in accordance to IEC 62680-2-1 Edition 1 2015-09, Figure 6-9 - USB Series "A" Plug Interface Drawing
6. CM4 antenna and J3 connector will not be used in normal operation solely for operational maintenance
7. The above model is permanently connected, Equipment Class III, Pollution Degree 2, Supplied from secondary non-hazardous live source.
8. Mode of operation: Continuous

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 61010-1-12,
UPD1:2015, UPD2: 2016, AMD1: 2018

CAN/CSA C22.2 NO. 213-17 Third
Edition

UL 61010-1, 3rd Edition (2012),
AMD1: 2018

ANSI/UL 121201-2021 Ninth Edition

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements - Third Edition

Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations

Standard for Safety Electrical Equipment for Measurement, Control, and Laboratory Use; Part 1: General Requirements - Third Edition

Nonincendive 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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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 following markings appear on 0.030 inch Lexan plastic with 3M type 467 or 468 adhesive backing manufactured by McLoone Metal Graphics Co., Or on 0.060 inch subsurface printed Lexan and mechanically affixed. Or another CSA certified label manufacturer.

- Manufacturers name: "Altronic", or CSA Master Contract Number "150143", adjacent to the CSA Mark in lieu of manufacturers name.
- Model number, as specified in the PRODUCTS section, above.
- Electrical ratings, as specified in the PRODUCTS section, above.
- Ambient temperature rating, as specified in the PRODUCTS section, above.
- Manufacturing date in MMY format, or serial number, traceable to month of manufacture.
- The CSA Mark with or without the "c" and/or "us" indicators.
- Hazardous Location designation, as specified in the PRODUCTS section, above.
- Temperature code, as specified in the PRODUCTS section, above.
- "WARNING - Explosion Hazard - Do not connect or disconnect this module unless power has been removed or the area is known to be nonhazardous."

An installation manual or data sheet shall be supplied with each unit, containing the following minimum marking information:

- Manufacturers name or CSA Master Contract Number "150143"
- Electrical ratings, as specified in the PRODUCTS section, above.
- Specification for ambient temperature rating, as specified in the PRODUCTS section, above.
- Specification for appropriate wiring to the connector, including specification for wire gauge.
- The following words, or suitable equivalent:
 - The ACM-4000 is suitable for installation in Class I, Division 2, Group A, B, C, D hazardous locations or nonhazardous locations only.
 - WARNING - Explosion Hazard. Do not connect or disconnect this module unless power has been removed or the area is known to be nonhazardous.
 - WARNING - EXPLOSION HAZARD. DO NOT REMOVE OR REPLACE FUSE WHEN ENERGIZED.

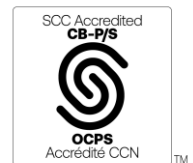


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- *Note - Jurisdictions in Canada may require these markings to also be provided in French language. It is the responsibility of the manufacturer to provide bilingual marking, where applicable, in accordance with the requirements of the Provincial Regulatory Authorities. It is the responsibility of the manufacturer to determine this requirement and have bilingual wording added to the "Markings".*

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

Certificate: 80154042

Master Contract: 150143

*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
80154042	2024-03-27	Original model certification for cCSAus of Computer Module Model ACM-4000 for Class I, Division 2, A, B, C, D, T4