



Certificate of Compliance

Certificate: 1874315 (042965_0_000)

Master Contract: 150143

Project: 70025986

Date Issued: April 21, 2015

Issued to: Altronic Inc.
712 Trumbull Ave
Girard, Ohio 44420
USA

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.



Issued by: Richard Dibler, Jr.
Richard Dibler, Jr.

PRODUCTS

CLASS - C481804 - SIGNAL APPLIANCES-Systems - For Hazardous Locations

CLASS - C481884 - SIGNAL APPLIANCES-Systems - For Hazardous Locations - Certified to US Standards

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.

Class I, Division 2, Groups C, D:

• Digital Annunciation System - Model DE-30aa. Rated 12 to 32Vdc, 500mA. Ambient temperature -40°C to 80°C, Temperature Code T4.

Where:

aa = is two numerics representing assembly build and software.

Option: Model DE-3000 CSI. . Rated 12 to 32Vdc, 500mA. Ambient temperature -40°C to 80°C, Temperature Code T4.

System Consists of the following CSA Certified component assemblies:

• I/O Terminal Modules - p/n 691171-x and/or 691172-x and/or 691175-x.

May also use Certified p/n 691217-x, where “-x” indicates software version and label

• Display module - p/n 691170- x and/or 691174-x.

With, or without:



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- Power Supply Module - p/n 691122-x.
With, or without:
 - CD Ignition or Fuel Valve Output Module - p/n 691124-x.
With, or without:
 - Industry Standard Module - p/n 691125-x or 691056- x or 691066-x or 691065-x or any equivalent Certified Output module.
With, or without:
 - Pressure Transducer - p/n 691204-x or 691201-x or any equivalent Certified Pressure Transducer.
With, or without:
 - Temperature Transducer - p/n 691212-x or 691213- x or 691202- x or 691203- x or any equivalent Certified Temperature transducer.
- GTI Digital Annunciation System – Models GPN2010V, GPN2212V, GPN2213V, GPN2214V, GPN2011V, GPN2012V, GPN2015V , and GPN2020. Part numbers 691173-x, or 691176-x, or 691177- x, 691178-x, 691216-x, 691197-x, 691219-x and 691729-x respectively. Rated 10 to 32Vdc, 1A. Where x is any alphanumeric character indicating the software/firmware version.
- System may be supplied with one or more of the following harnesses assemblies: Part number 693118-x, 693119- x, 693120-x, 693121-x, 693122-x, 693123-x, 693124-x, 693125-x, 693126-x, 693127-x, 693128-x, 693132-x, 693208-x, 693209-x, 693210-x, and/or 693213-x. (Where x represents the harness length, in feet)
 - System may be supplied with optional vibration transducers: Part number 691205-x or any equivalent Certified Vibration, Pressure, or Temperature Transducers. (Where x represents the harness length, in feet)

Notes:

- 1) These systems are OPEN type equipment that must be used within a suitable end-use system enclosure, the interior of which is accessible only through the use of a tool. The suitability of the enclosure is subject to investigation by the local Authority Having Jurisdiction at the time of installation.
- 2) Wiring to or from this equipment, which enters or leaves the system enclosure, must utilize wiring methods suitable for Class I, Division 2 Hazardous Locations, as appropriate for the installation.

APPLICABLE REQUIREMENTS

CAN/CSA Standard C22.2 No. 0-M91
CSA Standard C22.2 No. 142-M1987
CSA Standard C22.2 No. 213-M1987

ANSI/UL Standard 508
(Seventeenth Edition)

ANSI/ISA-12.12.01-2007

General Requirements - Canadian Electrical Code, Part II
Process Control Equipment
Non-incendive Electrical Equipment for Use in Class I,
Division 2 Hazardous Locations
Industrial Control Equipment

Nonincendive Electrical Equipment for Use in Class I and
II, Division 2 and Class III, Division 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 following markings are silkscreened directly on the PC board or housing, or provided on a CSA Certified (Class 7921-01) and UL Recognized (PGDQ2) adhesive nameplate, which is suitable for indoor use PC board material, at a maximum service temperature of 90°C or higher.

- Manufacturer's name: "Altronic", or CSA Master Contract Number "150143", adjacent to the CSA Mark in lieu of manufacturer's 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 "C" and "US" indicators, as shown on the Certificate of Conformity.
- Hazardous Location designation, as specified in the PRODUCTS section, above.
- Temperature code: As specified in the PRODUCTS section, above (optional on products rated T6 or T5).
- The following words:
 - "WARNING – EXPLOSION HAZARD - Substitution of components may impair suitability for Class I, Division 2."
 - "WARNING – EXPLOSION HAZARD – Do not connect while circuit is live unless area is known to be nonhazardous."

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

- Manufacturer's name and address
- Electrical ratings.
- Specification for ambient temperature rating: " $0^{\circ}\text{C} \leq T_a \leq 80^{\circ}\text{C}$ ", or " 0°C to 80°C ".
- Specification for appropriate wiring to the terminals of the system components, including definition of pin functions, and specification for wire gauge.
- Mounting and installation instructions, including dimensions, and the following words, or equivalent:
 - This is OPEN type equipment that must be used within a suitable end-use system enclosure, the interior of which is accessible only through the use of a tool. The suitability of the enclosure is subject to investigation by the local Authority Having Jurisdiction at the time of installation.
 - Wiring to or from this equipment, which enters or leaves the system enclosure, must utilize wiring methods suitable for Class I, Division 2 Hazardous Locations, as appropriate for the installation.
- The following words, or suitable equivalent:



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- This equipment is suitable for installation in Class I, Division 2, Group C and D hazardous locations or nonhazardous locations only.
- WARNING - Explosion Hazard. Do not connect or disconnect this equipment unless power has been removed or the area is known to be nonhazardous.
- WARNING - Explosion Hazard. Substitution of components may impair suitability for Class I, Division 2.

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".



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
70025986	Apr 21 2015	Update to Report 1874315 to include changing listing model GPN2020V to GPN2020 and adding three new harnesses models 693209-x, 693210-x, and 693213-x.
2701588	Mar 12 2014	Update to Report 1874315 to include new model GPN2020V and DE-3020.
2658596	Sep 19 2013	Update report 1874315 to include the addition of a new model DE-30aa using the new 691217-x I/O Terminal Module for ModBus, where #-x# indicates the software and label.
2620921	Jun 26 2013	Update report 1874315 to include the addition of a new model DE-3000CSI which is an option to the existing approved DE-30aa.
2519071	Apr 26 2012	Update to Report 1874315 to include lower ambient to -40C
2479310	Dec 8 2011	Update to Report to include new I/O Module p/n 691217-x and new GTI Digital Annunciation System # Models GPN2011V, GPN2012V, and GPN2015V.
2345387	Oct 13 2010	Update to Report 1874315 to include a new DE-3015 Annunciator.
1874315	May 31 2007	Original Certification