



Certificate of Compliance

Certificate: 1342778 (LR 67663)

Master Contract: 155493

Project: 1436200

Date Issued: 2004/01/09

Issued to: ABB Inc.

P.O. Box 831
843 N Jefferson St
Lewisburg, West Virginia 24901
USA
Attention: Mr. Scott Kiddle

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'



Issued by:


E. Klier, P. Eng.

Authorized by:


Nick Alfano, Operations
Manager

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, Division 1, Groups B, C and D

PUV3402 Process UV Photometer or Model 3402 UV Multiwave with Type X purge.

PIR3502 Process IR Photometer or Model 3502 IR Multiwave with Type X purge.

Input Rated: 115V/230 Vac, 50/60Hz, 690 VA maximum.

Operating Ambient: 0°C to 45°C.

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.



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Temperature Code: T2, T3, T4.

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

PUV3402 Process UV Photometer or Model 3402 UV Multiwave with Type Z purge.

PIR3502 Process IR Photometer or Model 3502 IR Multiwave with Type Z purge.

Input Rated: 115V/230 Vac, 50/60Hz, 690 VA maximum.

Operating Ambient: 0°C to 45°C.

Temperature Code: T2, T3.

APPLICABLE REQUIREMENTS

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

CSA Std C22.2 No. 213-M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

CSA T.I.L. No. E-13A - Interim Certification Requirements for Purged and Pressurized Equipment for Use in Class I Hazardous Locations

NFPA 496-1998 - Standard for Purged and Pressurized Enclosures for Electrical Equipment

UL Std No.1604 - Electrical Equipment for Use in Class I and II, Division 2; Class III Hazardous (Classified) Locations

MARKINGS

- Company Name
- Model Number
- Serial Number
- Electrical Rating
- Hazardous Locations Designation
- CSA Monogram with C/US indicator
- Maximum Operating Ambient
- Purge Type



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- Caution: All field signal wiring must be rated at least 300V or equivalent.
- Warning: Remove power below 25 Pa (2.5mm or 0.1 inch of water column.)
- Warning: Enclosure shall not be opened unless the area is known to be non-hazardous, or unless all devices within the enclosure have been de-energized. Power must not be restored after the enclosure has been purged for "T" minutes at a flow rate of "Q" SCFM.
Minimum specified: T = 22 minutes @ 50Hz or 19 minutes @ 60Hz, and Q = 14 I.PM minimum.
- Warning: The safety of this equipment relies on the provision of proper purging and pressurising when used in hazardous locations. It must not be put into use without "Special Permission" when used in hazardous locations from the inspection authority having jurisdiction.



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
1436200	2004/01/09	Revised Construction.

History

1342778 Mar. 31, 2003 Original Certification.