



Certificate of Compliance

Certificate: 1433149

Master Contract: 213004

Project: 2424188

Date Issued: June 22, 2011

Issued to: R. STAHL HMI Systems GmbH

Im Gewerbegebiet Pesch 14
Koeln, 50767
Germany
Attention: Werner Bertges

The products listed below are eligible to bear the CSA Mark shown



Dennis Jeffrey

Issued by: Dennis Jeffrey

PRODUCTS

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

Ex ia IIC, T4

- Model 375 field communicator, intrinsically safe with entity parameters when installed per submitter's drawing 00375-1130, operating ambient $-10^{\circ}\text{C} < \text{Ta} < 50^{\circ}\text{C}$.
- Model 475 Series. Models: 475aPbcKLdGMe with or without suffixes f and/or g and/or h field communicator, and 475 Power Module. Intrinsically safe with entity parameters, when installed per submitter's drawing 00475-1130. Operating ambient $-10^{\circ}\text{C} < \text{Ta} < 50^{\circ}\text{C}$.

Where:

- a = Communication Protocol: H (HART) or F (Fieldbus)
- b = Power Supply/Charger: 1 (included) or 9 (not included)
- c = Language: E (English), D (German), J (Japanese) or R (Russian)
- d = Easy Upgrade for upgrades via the Internet: U (included) or 9 (not included)
- e = Bluetooth communications: T (included) or 9 (not included)
- f = Spare Battery Pack: A (Lithium-Ion Power Module) or none



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g = Valvelink Mobile diagnostics : V or none

h = Protective Rubber Boot: S or none

APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No. 0-M91 (R2001) - General Requirements - Canadian Electrical Code, Part II

CAN/CSA C22.2 No. 60079-0:07 - Electrical Apparatus for Explosive Gas Atmospheres - Part 0:General Requirements

CAN/CSA-E60079-11:02 - Electrical Apparatus for Explosive Gas Atmospheres - Part 11:

Intrinsic Safety "i"

The following standards were used in whole or in part as a guideline.

IEC 60079-27 First Edition 2005-04 - Electrical Apparatus for Explosive Gas Atmospheres – Part 27: Fieldbus Intrinsically Safe Concept (FISCO) and Fieldbus Non-Incendive Concept (FNICO)

Note: Only model 475 Field Communicator has been evaluated to IEC 60079-27.

MARKINGS

Model 375 field communicator:

Markings as referenced in C.O.C. and as per submitter's drawing 2003 06 7050 2 appear on CSA accepted pressure sensitive label material system (LS 99316) consisting of 3M ScotchCal 3698E adhesive label used with Sony TR5070 thermal transfer printing ribbon and Sato printer.

The above marking label may optional have an additional laminated foil applied above it. This additional laminated foil is manufactured by 3M, type 76500/76510/76530 and is CUL approved under UL file no. MH18072. Refer to submitter's drawing 2004 35 7050 0 for further details.

Warning statement: The device (battery pack) must be charged only in an area known to be non-hazardous by battery charger type 00375-0003-002X.

Warning: Substitution of components may impair Intrinsic Safety.

Model 475 Field Communicator:

- CSA Master Contract Number "213004", adjacent to the CSA Mark in lieu of manufacturer's name.
- Model number: As specified in the PRODUCTS section, above.



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- 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, 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.
- Reference to Control Drawing
- The words "FISCO Hand Held Terminal"
- "Use only with 475 Power Module"

Note: Each model shall be accompanied by instructions and include the following:

- A recapitulation of the information listed above for the marking of the 475 Field Communicator, except for the serial number, along with any appropriate additional information to facilitate maintenance.
- Instructions for safety.
- Details which allow a decision to be made as to whether the apparatus can be used safely in the intended areas under the expected operating conditions.
- A list of the standards, including the issue date (As stated in the Applicable Requirements section above), with which the apparatus is declared to comply.

Model 475 Field Communicator Power Module:

- CSA Master Contract Number "213004", adjacent to the CSA Mark in lieu of manufacturer's name.
- Model Type: 475 Field Communicator Power Module
- "WARNING – BATTERIES MUST BE CHARGED IN A NONHAZARDOUS LOCATION ONLY"
- "Only for use with charger 00375-0003-005"
- "Only for use with 475 Field Communicator"

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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Master Contract: 213004

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
2424188	June 22, 2011	Update to report 1433149 to include replacement for IC74 and update PCB layout accordingly.
2393150	March 4, 2011	Update to report 1433149 to include revised drawings 2009 08 7050 3 and 2008 25 01 1 F1.
2305963	May 18, 2010	Update to report 1433149 to include revised drawings 200907521 and 200907531. The tolerance of encapsulation on both drawings has been changed to 2±1mm.
2256229	January 4, 2010	Update of report 1433149 to include alternate I.C. Protection Chip Type BQ29410DCT3
2246961	November 27, 2009	Update report to include revised label drawing.
2227144	November 17, 2009	(CLE297: 1of1: CSA) Addition of Factory Computational Systems as Factory for Certificate 1433149; Initial Factory Evaluation (IFE) included.
2229883	October 19, 2009	Update to Report 1433149 to remove the safety board used by the Model 375 field communicator and replace it with the safety board used by the Model 475 field communicator.
2169611	June 22, 2009	Update to Report 1433149 to add Model 475 Series Field Communicator based upon IECExTR analysis.
2044359	August 18, 2008	Update to add alt. Li-Ion battery packs
1964139	November 6, 2007	Update report to cover revised marking labels
1880014	February 14, 2007	Update report to cover use of alternate SD-Card/SanDisk
1736239	December 2, 2005	Alternate Construction of field communicator to cover use of alternate thermal fuses.
1612763	December 13, 2004	Update report to cover drawing, labeling and minor alternate construction
1509920	February 12, 2004	Alternate Construction of Field Communicator to cover addition of filter capacitor on clock line.
1466209	September 17, 2003	Update report to cover new drawings due to FM request.
1433149	June 25, 2003	Certification of field communicator