



Certificate of Compliance

Certificate: 1433149

Master Contract: 213004

Project: 2713355

Date Issued: May 12, 2014

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



Hossein Saleh

Issued by: Hossein Saleh, P. Eng.

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 $-10^{\circ}\text{C} < \text{Ta} < 50^{\circ}\text{C}$.

Note: The model name of the 375 field communicator contains the suffix "KL" signifying compliance with and acceptance for use in hazardous locations.

• Model 475 Series. Models: 475aPbcKLdGMe or 475aPbcKBdGMe 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)



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f = Spare Battery Pack: A (Lithium-Ion Power Module) or none

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

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.

Model 375 field communicator:

Markings as referenced in C.O.C. and as per submitter's drawing 2008 16 7050 1 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.



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Warning statement: The device (battery pack / power module) must be charged only in an area known to be non-hazardous by battery charger type 00375-0003-0005.

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.
- 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”