



Certificate of Compliance

Certificate Number: IR 40894-32

Revision: IR 40894-45

Date Issued: May 10, 1994

Issued To: Whessoe Varec, Inc

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

Issued By: G Lewis, CET
Toronto, ON Canada

Signature *G. Lewis*

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

PRODUCTS

Class I, Div. 1, Groups C and D; Class II, Div. 1, Groups E, F and G; Class III;
Enclosure type 4 Rated:

- TRANSMITTERS - MULTIPURPOSE SMART Model Series 4100xBx and Hydrostatic Interface Unit (HIU) Model Series 4200xBx, Power Input: 48V dc Nominal (20V dc min - 65V dc max); Power Consumption: 25mA dc at 48V dc; Operating Temp -40 to +85 Deg C

Note: Suffix numbers and letters are added to the Model designation to denote communications, agency approval source, display, and sensor support (xBxx)

CLASS 2258 03 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Systems - For Hazardous Locations

Class I, Groups A, B, C and D; Class II, Groups E, F and G; Class III; Type 4
Enclosure:

- Transmitters, Multi-function (MFI) Model 4100xBx and Hydrostatic Interface Unit (HIU) Model 4200xBx, supply rated 65V dc (max), 40mA (explosion-proof for Class I, Groups C and D, Class II, Groups E, F and G, Class III). Unit provides intrinsically safe circuits (having parameters of 20V, 175 ohms) per installation Dwg No 20-09885 Operating temperature range -40C to +85C.

Note: Suffix numbers and letters are added to the Model designation to denote communications, agency approval source, display, and sensor support (xBxx)



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

PRODUCT

Class I, Groups A, B, C and D; Class II, Groups E, F and G; Class III; Type 4 Enclosure:

- Transmitters, Multi-function (MFT) Model 4100xBx and Hydrostatic Interface Unit (HIU) Model 4200xBx, supply rated 65V dc (max), 40mA (explosion-proof for Class I, Groups C and D, Class II, Groups E, F and G, Class III). Operating temperature range -40C to +85C. Unit provides intrinsically safe circuits per installation Dwg No 20-09885 with entity parameters as follows:

Hazardous Gas & Dust Groups	Max Entity Parameters			
	Voc (V)	Isc (mA)	Ca (uF)	La (mH)
A,B	21 1	148	0 24	1 3
C,E	21 1	148	0 72	6 4
D,F,G	21 1	148	1 9	12 7

Note: Suffix numbers and letters are added to the Model designation to denote communications, agency approval source, display, and sensor support (xBxx).



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APPLICABLE REQUIREMENTS

CSA Std C22 2 No	25-1966	- Enclosures for Use in Class II, Groups E, F and G Hazardous Locations
CSA Std C22 2 No	30-M1986	- Explosion-Proof Enclosures for Use in Class I Hazardous Locations
CAN/CSA-C22 2 No	94-M91	- Special Purpose Enclosures
CSA Std C22 2 No	142-M1987	- Process Control Equipment
CAN/CSA-C22 2 No	157-92	- Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

MARKINGS

- CSA Monogram;
- Submitter identification;
- Model number;
- Serial number, date code or month and year of manufacture;
- Electrical rating;
- Hazardous location designation;
- Entity parameters;
- Temperature code;
- Maximum ambient temperature;
- Special purpose enclosure designation;
- The words ASSOCIATED EQUIPMENT/APPAREILLAGE CONNEXE;
- The Symbol [Exia];
- Reference to installation instructions;
- Bilingual caution re Substitution of Components;
- Bilingual caution re Keeping Cover Tight While Circuits are Alive