



Member of the FM Global Group

FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

T950-Abc I/P Converter

XP / I / 1 / BCD / T6 Ta = -20 °C to 70°C; DIP / II, III / 1 / EFG / T6 Ta = -20 °C to 70°C;
IS / I, II, III / 1 / CDEFG / T4 Ta = -40 °C to 70°C - 431-990-025 Entity;
I/1/AEx d IIB+H2 T6 Ta = -20 °C to 70°C
I/0/AEx ia IIB T4 Ta = -40 °C to 70°C - 431-990-025 Entity;
NI / I / 2 / ABCD / T4 Ta = -40 °C to 70°C; S / II, III / 2 / FG / T6 Ta = -20 °C to 70°C; Type 4X
Entity Parameters:
Ui (Vmax) = 30 V, Ii (Imax) = 125 mA, Pi = 0.70 W, Ci = 0 µF, Li = 0 mH

b = Output Pressure Range: C, D, E, F

c = Option: A, E

Specific Conditions of Use:

- 1. The I/P converter was found to be suitable for use with methane as the process medium.*
- 2. The enclosure contains aluminum and is considered to constitute a potential risk of ignition by impact or friction and must be taken into account during installation and use.*

Equipment Ratings:

Explosionproof for Class I Division 1, Groups B, C, and D, T6, Dust Ignitionproof for Class I, Division 1, Groups E, F, and G, T6; Flameproof for Class I, Zone 1, Group IIB + H2, T6 hazardous (classified) locations.

Intrinsically safe for Class I, II, and III, Division 1, Groups C, D, E, F, and G, T4 and for Class I, Zone 0, Group IIB, T4 hazardous (classified) locations.

Nonincendive for Class I, Division 2, Groups A, B, C, D, T4, and Class II and III, Division 2, Groups F and G, T6 hazardous (classified) locations.

FM Approved for:

ControlAir Inc
Amherst, NH



This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

Class 3600	1998
Class 3610	2010
Class 3611	2004
Class 3615	2006
Class 3810	1995
ANSI/ISA 60079-0	2009
ANSI/ISA 60079-1	2005
ANSI/ISA 60079-11	2009
ANSI/NEMA 250	1991


Original Project ID: 3009088

Approval Granted: December 17, 2001

Subsequent Revision Reports / Date Approval Amended

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3016070	December 23, 2002		
3042023	March 6, 2012		

FM Approvals LLC



J. E. Marquedant
Group Manager, Electrical

6 March 2012

Date