



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 = 70°C; DIP / II, III / 1 / EFG / T6 Ta = 70°C;  
IS / I, II, III / 1 / CDEFG / T4 Ta = 70°C - 431-990-025 Entity;  
I/O/AEx ia IIB T4 Ta = 70°C - 431-990-025 Entity;  
NI / I / 2 / ABCD / T4 Ta = 70°C; S / II, III / 2 / FG / T6 Ta = 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

### Special Condition for use;

1. The I/P converter was found to be suitable for use with methane as the process medium.

### 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; Intrinsically safe for Class I, II, and III, Division 1, Groups C, D, E, F, and G, T4 hazardous (classified) locations and intrinsically safe for Class I, Zone 0, Group IIB, T4 hazardous (classified) locations and suitable for Class I, Groups A, B, C, D, T4, and Class II and III, Division 2, Groups F and G, T6 hazardous (classified) locations.

### Approved for:

ControlAir Inc.  
Amherst NH



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

Class 3600	1998
Class 3610	1999
Class 3611	1999
Class 3810	1995
Class 3615	1989

Original Project ID: 3009088

FM Approval Granted: December 17, 2001

Subsequent Revision Reports / Date FM Approval Amended

Report Number	Date	Report Number	Date
3016070	December 23, 2002		

FM Global Technologies LLC

Nicholas P. Ludlam  
Technical Team Manager

January 14<sup>th</sup> 2003  
Date