



Member of the FM Global Group

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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

### ***I/P Converter T900-AbAd***

IS/I,II,III/1/CDEFG/T4 Ta = 70 °C- 431-990-023 Entity; Type 4X

I/O/AEx ia/IIB/T4 Ta = 70 °C- 431-990-023 Entity; Type 4X

NI/I/2/ABCD; S/II,III/2/FG/T4 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 G, H, L, I, J

d = Options: A

*Specific Conditions for use:*

1. 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.

### ***I/P Converter T900-AbDd***

IS/I/1/CD/T4 Ta = 70 °C; - 431-990-023 Entity; Type 2

I/O/AEx ia/IIB/T4 Ta = 70 °C- 431-990-023 Entity; Type 2

NI/I/2/ABCD/T4 Ta = 70 °C; Type 2

Entity Parameters: Ui (Vmax) = 30 V, Ii (Imax) = 125 mA, Pi = 0.70 W, Ci = 0.030 µF, Li = 0 mH

b = Output Pressure Range: C, D, E, F G, H, L, I, J

d = Options: A

*Specific Conditions for use:*

1. When installed in Division 2 Hazardous (classified) locations, a warning label must be prominently affixed near the unit(s) which warns that the cables must not be removed or inserted unless the area is known to be non-hazardous.

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.

**I/P Converter T900-AbTd**

IS/I/1/CD/T4 Ta = 70 °C; - 431-990-023 Entity; Type 2

I/O/AEx ia/IIB/T4 Ta = 70 °C- 431-990-023 Entity; Type 2

NI/I/2/ABCD/T4 Ta = 70 °C; Type 2

Entity Parameters: Ui (Vmax) = 30 V, Ii (Imax) = 125 mA, Pi = 0.70 W, Ci = 0.030 µF, Li = 0 mH

b = Output Pressure Range: C, D, E, F G, H, L, I, J

d = Options: A

*Specific Conditions for use:*

1. Must be installed in suitable equipment enclosure in accordance with ANSI/ISA S82.01 & S82.03.
2. When installed in Division 2 Hazardous (classified) locations, a warning label must be prominently affixed near the unit(s) which warns that the cables must not be removed or inserted unless the area is known to be non-hazardous.
3. 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.

**E/P Converter T900-abAd**

NI/I/2/ABCD; S/II,III/2/FG/T4 Ta = 70 °C; Type 4X

a = Input Signal Range: C, D, E, F

b = Output Pressure Range: C, D, E, F G, H, L, I, J

d = Options: A

**E/P Converter T900-abcd**

NI/I/2/ABCD/T4 Ta = 70 °C; Type 2

a = Input Signal Range: C, D, E, F

b = Output Pressure Range: C, D, E, F G, H, L, I, J

c = Electrical Connection: D, T

d = Options: A

*Special Condition for use;*

1. The E/P Converter type T900-AbcT, must be installed in suitable equipment enclosure in accordance with ANSI/ISA S82.01 & S82.03.
2. When installed in Division 2 Hazardous (classified) locations, a warning label must be prominently affixed near the unit(s) which warns that the cables must not be removed or inserted unless the area is known to be non-hazardous.

**Equipment Ratings:**

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

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 3810	1995
ANSI/ISA 60079-0	2009
ANSI/ISA 60079-11	2009
ANSI/ISA NEMA 250	1991

Original Project ID: 3009267

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Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
081119	January 29, 2010		
3042023	March 6, 2012		

FM Approvals LLC



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J. E. Marquedant  
Group Manager, Electrical

6 March 2012

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Date