



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:

T590-Aab. I/P Converter.

IS / I / 1 / ABCD / T4 Ta = 75 °C; - 431-990-047 Entity
I / 0 / AEx ia IIC / T4 Ta = 75 °C; - 431-990-047 Entity
NI / I / 2 / ABCD / T4 Ta = 75 °C
I / 2 / IIC / T4 Ta = 75 °C

Where

a = Output Pressure: C, D, E
b = Connection: M, P

Entity Parameters

Table with 5 columns: Temperature class, Ta, Ii, Ui, Pi. It lists various temperature classes (T6, T5, T4) and their corresponding parameters.

Specific Conditions for use;

- 1. The non-metallic cover of the I/P converter is considered to constitute an electrostatic discharge hazard. Clean only with a damp cloth.
2. The I/P converter enclosure's metal base must be mounted as part of a bonded structure.
3. The I/P converter 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.
4. The User shall permanently mark the protection type chosen. Once the type of protection has been marked it shall not be changed.



Equipment Ratings:

Intrinsically Safe for Class I, Division 1, Groups A, B, C, and D; intrinsically safe for Class I, Zone 0, Group IIC; suitable for Class I, Division 2, Groups A, B, C, and D; and suitable for Class I, Zone 2, Group IIC hazardous classified locations.

FM Approved for:

ControlAir Inc.  
Amherst, NH USA



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

Class 3600	1998
Class 3610	1999
Class 3611	2004
Class 3810	1995

Original Project ID: 3023940

Approval Granted: January 24, 2006

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
070409	JUNE 5, 2007		

FM Approvals LLC

Roger L. Allard  
Assistant Vice President

JUNE 5, 2007  
Date