



Member of the FM Global Group

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CERTIFICATE OF COMPLIANCE

HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

T595XP-Aab. I/P Transducer.

IS / I, II, III / 1 / ABCDEFG / T4 Ta = -40°C to +75 °C; - 431-990-055 Entity; Type 4X, IP65
I / 0 / Ex ia IIC / T4 Ta = -40°C to +75 °C; - 431-990-055 Entity; Type 4X, IP65
NI / I / 2 / ABCD / T4 Ta = -40°C to +75 °C; Type 4X, IP65
S / II, III / 2 / EFG T4 Ta = -40°C to +75 °C; Type 4X, IP65
I / 2 / IIC / T4 Ta = -40°C to +75 °C; Type 4X, IP65
XP / I / 1 / BCD / T6 Ta = -40°C to +75°C; Type 4X, IP65
DIP / II, III / 1 / EFG / T6 Ta = -40°C to +75°C; Type 4X, IP65
I / 1 / AEx d / IIB+H₂ / T6 Ta = -40°C to +75°C; Type 4X, IP65
II, III / 1 / AEx tD / 21 / T85°C Ta = -40°C to +75°C; Type 4X, IP65

a = Output pressure C, D or E.

b = Connection M, N or P.

Entity Parameters

Temperature class	Ta	Ii	Ui	Pi
T6	60 °C	50 mA	42.5 V	2.125 W
T6	55 °C	60 mA	38.8 V	2.328 W
T5	70 °C	60 mA	38.8 V	2.328 W
T5	55 °C	100 mA	30 V	3 W
T5	45 °C	120 mA	28 V	3.36 W
T4	85 °C	60 mA	38.8 V	2.328 W
T4	85 °C	100 mA	30 V	3.0 W
T4	80 °C	120 mA	28 V	3.36 W
T4	70 °C	150 mA	25.5 V	3.825 W
T5	85 °C	23 mA	6.75 V	0.155 W

Specific Conditions for use;

1. The I/P Transducer enclosure's metal base must be mounted as part of a bonded structure.
2. The I/P Transducer 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.
3. 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 II & III, Division 1, Groups A, B, C, D, E, F and G; Intrinsically Safe for Class I, Zone 0, Group IIC; Nonincendive for Class I, Division 2, Groups A, B, C, and D; Suitable for Class II & III, Division 2, Groups E, F and G; and Suitable for Class I, Zone 2, Group IIC; Explosionproof for Class I, Division 1, Groups B, C and D; Dust-ignitionproof for Class II/III, Division 1, Groups E, F and G; Flameproof for Class I, Zone 1 Ex d IIB+H₂ T6 Ta = -40°C to +75°C; and Dust-ignitionproof DIP A21 IP65 T85°C hazardous locations, indoors and outdoors (Type 4X and IP65).

FM Approved for:

ControlAir Inc.
Amherst, NH, USA

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

C22.2 No. 0.4	1999
C22.2 No. 0.5	1999
C22.2 No. 25	2004
C22.2 No. 30	2003
C22.2 No. 94	2001
C22.2 No. 142	1993
C22.2 No. 157	1992
C22.2 No. 213	1987
CAN/CSA E60079-0	2006
CAN/CSA E60079-1	2006
CAN/CSA E61241-1-1	2006
C22.2 No. 60529	2005

Original Project ID: 3031829C

Approval Granted: December 9, 2008

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
081216	January 8, 2009		

FM Approvals LLC



David W. Styracula
Technical Team Manager

1-21-09
Date (Reissue)