FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

TaFI6000-bcd. Pneumatic Transducer.
IS / I,II,III / 1 / ABCDEFG / T4 Ta = -40° to 80°C; 16984; Entity; I/0/AEx ia IIC T4 Ga -16984; Entity;
NI / I / 2 / ABCD / T4 Ta = -40° to 80°C; NIFW - 16984
Entity Parameters/NIFW Parameters:
V_{Max} = 28 V, I_{Max} = 100 mA, C_i = 0 µF, L_i = 3 mH.
a = Electrical connection T or R.
b = Input 3 or 4.
c = Output 01, 02, 03, 04, 05, 06, 11, 12, 13, 14, 15, 16, 21, 22, 23, 24, 25, or 26.
d = Option U or blank.
Special Conditions of Use:
The subject equipment shall be installed in accordance with the enclosure, mounting, spacing, and segregation requirements of the ultimate application.
1) In Class I, Division 2 installations, where nonincendive field wiring parameters are not utilized, transducers configured with electrical connection option T or R must be installed within an enclosure capable of accepting one of the Class I, Division 2 wiring methods specified in the National Electrical Code (NFPA 70).
2) Where loop voltages can exceed 60 Vdc (in dry locations) or 30 Vdc (in potentially damp locations) transducers configured with electrical connection options T or R must be fitted within an enclosure that meets the electrical shock and fire protection requirements of ANSI/ISA S82.01.
3. The apparatus enclosure contains aluminum and is considered to constitute a potential risk of ignition by impact or friction. Care must be taken into account during installation and use to prevent impact or friction.

Equipment Ratings:

Intrinsically Safe for Class I, II, and III, Division 1, Groups A, B, C, D, E, F and G; and Class I Zone 0 Group IIC; Temperature Class T4 Ta = -40° to 80°C, Entity, in accordance with control drawing ED-16984; Nonincendive for use in Class I, Division 2, Groups A, B, C and D; Temperature Class T4 Ta = -40° to 80°C; NIFW in accordance with control drawing ED-16984; Hazardous (Classified) Locations.

TaFI6000-bcd. Pneumatic Transducer.
IS / I,II,III / 1 / ABCDEFG / T4 Ta = -40° to 80°C; 16984; Entity; I/0/AEx ia IIC T4 Ga -16984; Entity;
NI / I / 2 / ABCD / T4 Ta = -40° to 80°C; NIFW - 16984 Type 3R
Entity Parameters/NIFW Parameters:
VMax = 28 V, IMax = 100 mA, Ci = 0 µF, Li = 3 mH.

a = Electrical connection A or D.
b = Input 3 or 4.
c = Output 01, 02, 03, 04, 05, 06, 11, 12, 13, 14, 15, 16, 21, 22, 23, 24, 25, or 26.
d = Option U or blank.
Special Conditions of Use:
1) In Class I, Division 2 installations, where nonincendive field wiring parameters are not utilized., transducers configured with electrical connection option D must be installed within an enclosure capable of accepting one of the Class I, Division 2 wiring methods specified in the National Electrical Code (NFPA 70).
2. The apparatus enclosure contains aluminum and is considered to constitute a potential risk of ignition by impact or friction. Care must be taken into account during installation and use to prevent impact or friction.

Equipment Ratings:

Intrinsically Safe for Class I, II, and III, Division 1, Groups A, B, C, D, E, F and G; and Class I Zone 0 Group IIC; Temperature Class T4 Ta = -40° to 80°C; Entity, in accordance with control drawing ED-16984; Nonincendive for use in Class I, Division 2, Groups A, B, C and D; Temperature Class T4 Ta = -40° to 80°C; NIFW in accordance with control drawing ED-16984; Type 3R; Hazardous (Classified) Locations.

TaFI6000-bcdW. Pneumatic Transducer.
IS / I,II,III / 1 / ABCDEFG / T4 Ta = -40° to 80°C; 16984; Entity; I/0/AEx ia IIC T4 Ga -16984; Entity;
NI / I / 2 / ABCD / T4 Ta = -40° to 80°C; NIFW - 16984 Type 4
Entity Parameters/NIFW Parameters:
V_{Max} = 28 V, I_{Max} = 100 mA, C_i = 0 µF, L_i = 3 mH.
a = Electrical connection A, D or J.
b = Input 3 or 4.
c = Output 01, 02, 03, 04, 05, 06, 11, 12, 13, 14, 15, 16, 21, 22, 23, 24, 25, or 26.
d = Option U or blank.
Special Conditions of Use:
1. In Class I, Division 2 installations, where nonincendive field wiring parameters are not utilized, transducers configured with electrical connection option D must be installed within an enclosure capable of accepting one of the Class I, Division 2 wiring methods specified in the National Electrical Code (NFPA 70).
2. The apparatus enclosure contains aluminum and is considered to constitute a potential risk of ignition by impact or friction. Care must be taken into account during installation and use to prevent impact or friction.

Equipment Ratings:

Intrinsically Safe for Class I, II, and III, Division 1, Groups A, B, C, D, E, F and G; and Class I Zone 0 Group IIC; Temperature Class T4 Ta = -40° to 80°C, Entity, in accordance with control drawing ED-16984; Nonincendive for use in Class I, Division 2, Groups A, B, C and D; Temperature Class T4 Ta = -40° to 80°C, NIFW in accordance with control drawing ED-16984; Type 4; Hazardous (Classified) Locations.

FM Approved for:

Fairchild Industrial Products Company
Winston-Salem, NC 27103 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	2010
Class 3810	1989
Supplement # 1	1995
NEMA 250	1985

Original Project ID: 2R1A8.AX Approval Granted: March 4, 1990

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
4T0A6.AX	November 28, 1990		
910515	May 15, 1991		
911009	October 9, 1991		
951005	October 5, 1995		
980827	August 27, 1998		
000203	February 3, 2000		
010702	July 2, 2001		
030530	May 30, 2003		
3020684	August 20, 2004		
090324	April 24, 2009		
3040224	December 23, 2010		
110127	February 8, 2011		

FM Approvals LLC

J.E. Marquedant

J. E. Marquedant
Group Manager, Electrical

8 February 2011
Date