



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:

iTEMP type TMT 121-abcde. Temperature Transmitters.

IS / I / 1 / ABCD / T4 Ta = 85°C - 14 10 01 111, Entity; NI / I / 2 / ABCD / T5 Ta = 85°C;

I / 0 / AEx ia IIC T4 Ta = 85°C - 14 10 01 111, Entity

Entity Parameters:

Vmax = 30 V, Imax = 100 mA, Pi = 0.75 W, Ci = 0, Li = 0

a = Approval: C, I

b = Connection: 1,2,3,4, or A.

c = Sensor: 1,2,3,4,5,6,A,B,C,D,E,J,K,L,N,R,S,T, or U.

d = Setup: A,B,C, or D.

e = Model: A, B, S or K.

Specific Conditions for Use:

1. Shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.
2. The TMT 181A interface module must be used when configuring the transmitter in the field.

iTEMP type TMT 127-abcde. Temperature Transmitters.

IS / I / 1 / ABCD / T4 Ta = 85°C - 14 10 01 111, Entity; NI / I / 2 / ABCD / T5 Ta = 85°C;

I / 0 / AEx ia IIC T4 Ta = 85°C - 14 10 01 111, Entity

Entity Parameters:

Vmax = 30 V, Imax = 100 mA, Pi = 0.75 W, Ci = 0, Li = 0

a = Approval: C, I.

b = Connection: 1,2,3,4, or A.

c = Sensor: 1,2,3,4,5,6,A,B,C,D,E,J,K,L,N,R,S,T, or U.

d = Setup: A,B,C, or D.

e = Model: A, B, S or K.

Specific Conditions for Use:

1. Shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.
2. The TMT 181A interface module must be used when configuring the transmitter in the field.

iTEMP type TMT 128-abcde. Temperature Transmitters.

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I / 0 / AEx ia IIC T4 Ta = 85°C - 14 10 01 111, Entity

Entity Parameters:

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c = Sensor: 1,2,3,4,5,6,A,B,C,D,E,J,K,L,N,R,S,T, or U.

d = Setup: A,B,C, or D.

e = Model: A, B, S or K.

Specific Conditions for Use:

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2. The TMT 181A interface module must be used when configuring the transmitter in the field.

iTEMP type TMT 122abcde. Temperature Transmitters.

IS / I / 1 / ABCD / T4 Ta = 85°C - 14 14 01 111, Entity; NI / I / 2 / ABCD / T5 Ta = 85°C;

I / 0 / AEx ia IIC T4 Ta = 85°C - 14 14 01 111, Entity

Entity Parameters:

Vmax = 30 V, Imax = 100 mA, Pi = 0.75 W, Ci = 0, Li = 0

a = Approval: C, I

b = Connection: 1,2,3,4, or A.

c = Sensor: 1,2,3,4,5,6,A,B,C,D,E,J,K,L,N,R,S,T, or U.

d = Setup: A,B,C, or D.

e = Model: A, B, S, or K.

Specific Conditions for Use:

1. Shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.

Equipment Ratings:

Intrinsically Safe Class I, Division 1, Groups A, B, C, & D; Class I, Zone 0, AEx ia IIC T4 Ta = 85°C, in accordance with Entity requirements and Control Drawings 14 10 01 111 & 14 14 01 111; and Nonincendive Class I, Division 2, Groups A, B, C, & D T5 Ta = 85°C; indoor locations.

FM Approved for:

Endress+Hauser Wetzler GmbH + Co. KG
Nesselwang, Germany

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	1989
Including Supplement #1	1995
ANSI/ISA S82.01	1994
ANSI/ISA 60079-0	2009
ANSI/ISA 60079-11	2009

Original Project ID: 3012277

Approval Granted: August 13, 2002

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
060419	May 16, 2006		
3042808	October 4, 2011		

FM Approvals LLC



J.E. Marquedant
Group Manager, Electrical

4 October 2011
Date