FM Approvals
1151 Boston Providence Turnpike
P.O. Box 9102 Norwood, MA 02062 USA
T: **781 762 4300** F: 781-762-9375 www.fmapprovals.com

CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

TDZ^2/a/4-20mA/b/-c [d]. Temperature Transmitter.
IS/I/1/ABCD/T4 Ta = 85°C – 100-100-71; Entity; I/0/AEx ia IIC T4 Ta = 85°C – 100-100-71; Entity; NI/I/2/ABCD/T4 Ta = 85°C
Entity Parameters:
Vmax = 30V, Imax = 110, Pi = 825mW, Ci = 5.83nF, Li =0mH.
Field Sensor Terminals:
Vt = 6.51V, It = 35.39mA, Po = 57.6mW, Ca = 20μF, La = 25mH (Groups A, B).
Vt = 6.51V, It = 35.39mA, Po = 57.6mW, Ca = 498μF, La = 100mH (Groups C, D).
Vt = 6.51V, It = 35.39mA, Po = 57.6mW, Ca = 20μF, La = 200mH (Group D).
a = Input: TPRG, HLRPG, 2TPRG, C, B, E, J, K, N, R, S, T, MV, R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, RO or POT.
b = Power: 12-42DC or 12-30DC. (12-42DC not for Intrinsically Safe Installations)
c = Options: TROP, HS, VTB, VTD, FMEDA.
d= Housing options: HP, BH or D.
Special Conditions of Use:
1. The Model TDZ^2 Temperature Transmitter shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.

Equipment ratings:

Intrinsically Safe (Entity) for use in Class I, Division 1, Groups A, B, C and D; Temperature Class T4 Ta = 85°C in accordance with Control Drawing No.100-100-71; Intrinsically safe (Entity) for use in Class I, Zone 0, AEx ia IIC T4 Ta = 85°C; in accordance with Control Drawing No.100-100-71; Nonincendive for use in Class I, Division 2, Groups A, B, C, and D; Temperature Class T4 Ta = 85°C; indoor Hazardous (Classified) Locations.

THZ^2/a/4-20mA/b/-c [d]. Temperature Transmitter.
IS/I/1/ABCD/ T5 Ta = 85°C; T6 Ta = 60˚C – 100-100-71; Entity; I/0/AEx ia IIC T5 Ta = 85°C; T6 Ta = 60˚C – 100-100-71; Entity; NI/I/2/ABCD/ T5 Ta = 85°C; T6 Ta = 60˚C
Entity Parameters:
Vmax = 30V, Imax = 110 Pi = 825mW, Ci = 5.83nF, Li =0mH.
Field Sensor Terminals:
Vt = 6.51V, It = 35.39mA, Po = 57.6mW, Ca = 20μF, La = 25mH (Groups A, B, C, D).

Vt = 6.51V, It = 35.39mA, Po = 57.6mW, Ca = 498μF, La = 100mH (Groups C, D).
Vt = 6.51V, It = 35.39mA, Po = 57.6mW, Ca = 20μF, La = 200mH (Group D).
a = Input: TPRG, HLRPG, 2TPRG, C, B, E, J, K, N, R, S, T, MV, R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, RO or POT.
b = Power: 12-42DC or 12-30DC. (12-42DC not for Intrinsically Safe Installations)
c = Options: VTB, VTD, FMEDA.
d= Housing options: HPP, D or LH1.
Special Conditions of Use:
1. The Model THZ^2 Temperature Transmitter shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.

Equipment Ratings:

Intrinsically Safe (Entity) for use in Class I, Division 1, Groups A, B, C and D; Temperature Class T5 Ta = 85°C; T6 Ta = 60°C in accordance with Control Drawing No.100-100-71; Intrinsically safe (Entity) for use in Class I, Zone 0, AEx ia IIC T5 Ta = 85°C; T6 Ta = 60˚C in accordance with Control Drawing No.100-100-71; Nonincendive for use in Class I, Division 2, Groups A, B, C, and D; T5 Ta = 85°C; T6 Ta = 60˚C; indoor Hazardous (Classified) Locations.

888*/TPRG/*4-20mA/a/-b [c]. Temperature Transmitter.
IS/I/1/ABCD/ T5 Ta = 85°C; T6 Ta = 60˚C – 100-100-77; Entity; I/0/AEx ia IIC T5 Ta = 85°C; T6 Ta = 60˚C – 100-100-77; Entity; NI/I/2/ABCD/T5 Ta = 85°C; T6 Ta = 60˚C
Entity Parameters:
Vmax = 30V, Imax = 110 Pi = 825mW, Ci = 5.83nF, Li =0mH.
Field Sensor Terminals:
Vt = 6.51V, It = 35.39mA, Po = 57.6mW, Ca = 20μF, La = 25mH (Groups A, B, C, D).
Vt = 6.51V, It = 35.39mA, Po = 57.6mW, Ca = 498μF, La = 100mH (Groups C, D).
Vt = 6.51V, It = 35.39mA, Po = 57.6mW, Ca = 20μF, La = 200mH (Group D).
a = Power: 12-42DC or 12-30DC. (12-42DC not for Intrinsically Safe Installations)
b = Options: VTB or VTD.
c= Housing options: HPP, D or LH1.
Special Conditions of Use:
1. The Model 888 Temperature Transmitter shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.

Equipment Ratings:

Intrinsically Safe (Entity) for use in Class I, Division 1, Groups A, B, C and D; Temperature Class T5 Ta = 85°C; T6 Ta = 60°C in accordance with Control Drawing No.100-100-77; Intrinsically safe (Entity) for use in Class I, Zone 0, AEx ia IIC T5 Ta = 85°C; T6 Ta = 60˚C in accordance with Control Drawing No.100-100-77; Nonincendive for use in Class I, Division 2, Groups A, B, C, and D; T5 Ta = 85°C; T6 Ta = 60˚C; indoor Hazardous (Classified) Locations.

FM Approved for:

Moore Industries International, Inc.
North Hills, CA 91343-6196 USA

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	2005
ANSI/ISA-60079-0	2009
ANSI/ISA-60079-11	2009

Original Project ID: 3024597 Approval Granted: May 23, 2007

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
02/08/10	March 5, 2010		
3039105	March 12, 2010		
3042210	November 15, 2011		

FM Approvals LLC

Timothy Adam
Technical Team Manager

15 Nov. 2011
Date

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Member of the FM Global Group

CERTIFICATE OF COMPLIANCE

HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

TDZ^2/a/4-20mA/b/-c [d]. Temperature Transmitter.
IS/I/1/ABCD/T4 Ta = 85°C – 100-100-71; Entity; NI/I/2/ABCD/T4 Ta = 85°C
Entity Parameters:
Vmax = 30V, Imax = 110, Pi = 825mW, Ci = 5.83nF, Li =0mH.
Field Sensor Terminals:
Vt = 6.51V, It = 35.39mA, Po = 57.6mW, Ca = 20μF, La = 25mH (Groups A, B).
Vt = 6.51V, It = 35.39mA, Po = 57.6mW, Ca = 498μF, La = 100mH (Groups C, D).
Vt = 6.51V, It = 35.39mA, Po = 57.6mW, Ca = 20μF, La = 200mH (Group D).
a = Input: TPRG, HLRPG, 2TPRG, C, B, E, J, K, N, R, S, T, MV, R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, RO or POT.
b = Power: 12-42DC or 12-30DC. (12-42DC not for Intrinsically Safe Installations)
c = Options: TROP, HS, VTB, VTD, FMEDA.
d= Housing options: HP, BH or D.
Special Conditions of Use:
1. The Model TDZ^2 Temperature Transmitter shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.

Equipment ratings:

Intrinsically Safe (Entity) for use in Class I, Division 1, Groups A, B, C and D; Temperature Class T4 Ta = 85°C in accordance with Control Drawing No.100-100-71; Nonincendive for use in Class I, Division 2, Groups A, B, C, and D; Temperature Class T4 Ta = 85°C; indoor Hazardous Locations.

THZ²/a/4-20mA/b/-c [d]. Temperature Transmitter.
IS/I/1/ABCD/T5 Ta = 85°C; T6 Ta = 60°C – 100-100-71; Entity; NI/I/2/ABCD/ T6 Ta = 60°C
Entity Parameters:
Vmax = 30V, Imax = 110 Pi = 825mW, Ci = 5.83nF, Li =0mH.
Field Sensor Terminals:
Vt = 6.51V, It = 35.39mA, Po = 57.6mW, Ca = 20μF, La = 25mH (Groups A, B, C, D).
Vt = 6.51V, It = 35.39mA, Po = 57.6mW, Ca = 498μF, La = 100mH (Groups C, D).
Vt = 6.51V, It = 35.39mA, Po = 57.6mW, Ca = 20μF, La = 200mH (Group D).
a = Input: TPRG, HLRPG, 2TPRG, C, B, E, J, K, N, R, S, T, MV, R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, RO or POT.
b = Power: 12-42DC or 12-30DC. (12-42DC not for Intrinsically Safe Installations)
c = Options: VTB, VTD, FMEDA.
d= Housing options: HPP, D or LH1.
Special Conditions of Use:
1. The Model THZ² Temperature Transmitter shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.

Equipment Ratings:

Intrinsically Safe (Entity) for use in Class I, Division 1, Groups A, B, C and D; Temperature Class T5 Ta = 85°C; T6 Ta = 60°C in accordance with Control Drawing No.100-100-71; Nonincendive for use in Class I, Division 2, Groups A, B, C, and D; T5 Ta = 85°C; T6 Ta = 60°C; indoor Hazardous Locations.

FM Approved for:

Moore Industries-International, Inc.
North Hills, CA 91343 USA

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

CAN C22.2 No.157-92 (Re-affirmed 2006)	1992
CAN C22.2 No.213-M1987 (Re-affirmed 2004)	1987
C22.2 No. 1010.1	2004

Original Project ID: 3024597C Approval Granted: May 23, 2007

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
100208	March 5, 2010		

FM Approvals LLC

J. E. Marquedant
Group Manager, Electrical

5 March 2010
Date