

CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

TD1-2D00-0ab. Thermal Dispersion Switch

XP / I / 1 / BCD / T6 Ta = 70°C; DIP / II / III / 1 / EFG / T6 Ta = 70°C; Type 4X, IP66
NI / I / 2 / ABCD / T4 Ta = 70°C; S / II / III / 2 / EFG / T4 Ta = 70°C; Type 4X, IP66
a = Agency Approval 3 or C
b = Enclosure type / connection 0, 1, 2 or 3.

TD2-ab0c-def. Thermal Dispersion Switch

XP / I / 1 / BCD / T5 Ta = 70°C; DIP / II / III / 1 / EFG / T5 Ta = 70°C; Type 4X, IP66
NI / I / 2 / ABCD / T4 Ta = 70°C; S / II / III / 2 / EFG / T4 Ta = 70°C; Type 4X, IP66
a = Input voltage 7 or 8
b = relay D or H
c = Glass window option 0 or 1.
d = Location 0 or 1.
e = Agency Approval 3, 7, C, or G.
f = Enclosure type / connection 0, 1, 2, 3, 4 or 5 (4 and 5, not rated XP or DIP).

Tab-cde0-f. Thermal Probe.

XP/II/1/BCD/T4 Ta = 70°C; DIP/II/III/1/EFG/T4 Ta = 70°C; Type 4X, IP66
a = Measurement system E or M.
b = Style A, B, C, D, H, L or M.
c = Material A, B, C or D.
d = Process connector size 0, 1, 2, 3, 4, B, C, D, T or V.
e = Process connection type 0, 1, 2, 3, 4, 5, 7, 8, A, B, C, D, E, G, J, S or T
f = Length up to 130 in or 330 cm.

Equipment Ratings:

TD1 and TD2 Thermal Dispersion Switches and associated T Series Thermal Probes are rated as Explosionproof for Class I, Division 1, Groups B, C and D; Dust-ignitionproof for Class II, III, Division 1, Groups E, F and G hazardous (classified) locations, with an environmental rating of Type 4X, IP66. The TD2-7 and TD2-8 Series Thermal Dispersion Switches are also rated as Nonincendive Class I, Division 2, Groups A, B, C, and D, and Suitable for Class II, III, Division 2, Groups E, F and G hazardous (classified) locations, with an environmental rating of Type 4X, IP66.

FM Approved for:

Magnetrol International, Inc. / STI
Downers Grove, IL 60515

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

Class 3600	1998
Class 3611	2004
Class 3615	1989
Class 3810	2005
ANSI/NEMA-250	1991
ANSI/IEC-60529	2004

Original Project ID: 3022611

Approval Granted: June 16, 2005

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3024234	February 9, 2007		
070723	September 11, 2007		

FM Approvals LLC

Richard P. Ferron, P.E.
Group Manager



September 11, 2007
Date