



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:

TT420Z-LT(b,c,d)  
DIP/II,III/1,2/EFG/T5 Ta=80°C/Type 4.  
b = Conduit size: 1/2 inch or 3/4 inch.  
c = Cable: Length in feet.  
d = Probe: Length in inches.

TT420S-LT(b,c,d)  
DIP/II,III/1,2/EFG/T5 Ta=80°C /Type 4.  
b = Conduit size: 1/2 inch or 3/4 inch.  
c = Cable: Length in feet.  
d = Housing: Straight or Right Angle (Right Angle applicable only when b= 1/2 inch).

### Equipment Ratings:

Dust Ignitionproof for Class II/III, Division 1/2, Groups E, F and G; Hazardous (classified) locations with Temperature Class Rating T5 for an ambient temperature range of -20°C to +80°C; Type 4.

### FM Approved for:

Electro-Sensors  
Minnetonka, MN USA



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

FM Class 3600	1998
FM Class 3810	2005
ANSI/IEC60529	2004
ANSI/NEMA 250	1991

Original Project ID: 3037048

Approval Granted: *January 4, 2010*

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC

  
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J. E. Marquardt  
Group Manager, Electrical

*4 January 2010*  
\_\_\_\_\_  
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:

TT420Z-LT(b,c,d)  
DIP/II,III/1,2/EFG/Type 4.  
b = Conduit size: 1/2 inch or 3/4 inch.  
c = Cable: Length in feet.  
d = Probe: Length in inches.

TT420S-LT(b,c,d)  
DIP/II,III/1,2/EFG/Type 4.  
b = Conduit size: 1/2 inch or 3/4 inch.  
c = Cable: Length in feet.  
d = Housing: Straight or Right Angle (Right Angle applicable only when b= 1/2 inch).

Equipment Ratings:

Dust Ignitionproof for Class II/III, Division 1/2, Groups E, F and G; Hazardous Locations, Type 4.

FM Approved for:

Electro-Sensors  
Minnetonka, MN USA



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

CSA C22.2 No.04	2004
CSA C22.2 No.142	1987
CSA C22.2 No.25	1966
CSA C22.2 No.94	1991

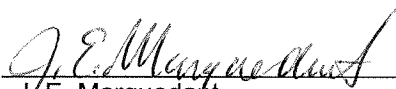
Original Project ID: 3037048C

Approval Granted: *January 11, 2010*

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC

  
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J. E. Marquedant  
Group Manager, Electrical

*11 January 2010*  
\_\_\_\_\_  
Date