



FM Approvals
1151 Boston-Providence Turnpike
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

375a R b E KL c d e. Field Communicator. 375. Battery Pack.

IS/II/1/ABCD/T4 Ta = 50°C - 00375-1130; Entity; FISCO; I/0/AEx ia IIC T4 Ta = 50°C -00375-1130; Entity

Entity Parameters:

Vmax = 30V, Imax = 200mA, Pi = 1W, Ci = 0, Li = 0.

Fieldbus Entity Parameters:

Vmax = 30V, Imax = 380mA, Pi = 1.3W, Ci = 0, Li = 0.

FISCO Parameters:

Vmax = 17.5V, Imax = 215mA, Pi = 1.9W, Ci = 0, Li = 0 for Groups IIC.

Vmax = 17.5V, Imax = 380mA, Pi = 5.4W, Ci = 0, Li = 0 for Group IIB.

Output Field Terminals Parameters:

Voc = 1.9V, Isc = 32µA, Po = 61µW, Ca = 100µF, La = 5600mH.

a = Communication Protocol: H or F.

b = Power Supply Charger: 1 or 9.

c= Upgrade: U or 9.

d = Spare Battery Pack: B or None.

e = Configuration Expansion Module: C or None.

Equipment Ratings:

Intrinsically Safe (Entity; FISCO) for use in Class I, Division 1, Groups A, B, C and D; Temperature Class T4 Ta = 50°C in accordance with Control Drawing No. 00375-1130; Intrinsically safe (Entity) for use in Class I, Zone 1, AEx ia IIC T4 Ta = 50°C; in accordance with Control Drawing No. 00375-1130; indoor Hazardous (Classified) Locations.

Approved for:

Emerson Process Management, Worldwide Distribution Limited, Fisher- Rosemount Systems, Inc.
Meridian Business Park, Leicester LE19 1WY, UK



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

Class 3600	1998
Class 3610	1999
Class 3810	1989
Supplement # 1	1995

Original Project ID: 3017978

FM Approval Granted: July 10, 2003

Subsequent Revision Reports / Date FM Approval Amended

Report Number	Date	Report Number	Date
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FM Global Technologies LLC

Nicholas P. Ludlam
Technical Team Manager

Reissued December 12, 2003
Date