



FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

475abcdefghijk. Field Communicator. 475 Power Module.

IS/I/1/ABCD/T4 Ta = 50°C - 00475-1130; Entity; FISCO

I/O/AEx ia/IIC/T4 Ta = 50°C - 00475-1130; Entity; FISCO

Entity Parameters (HART Communication):

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

Entity Parameters (Fieldbus Communication):

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

FISCO Parameters:

Vmax = 17.5 V, IMax = 215 mA, Pi = 1.9 W, Ci = 0, Li = 0 for Group IIC;

Vmax = 17.5 V, IMax = 380 mA, Pi = 5.3 W, Ci = 0, Li = 0 for Group IIB.

Output Field Terminals Parameters:

Voc = 1.9 V, Isc = 32 μ A, Po = 61 μ W, Ca = 100 μ F, La = 5600 μ H.

a = Communication Protocol: H or F.

b = Battery type: P.

c = Power Supply Charger: 1 or 9.

d = Language: E, D, J or R.

e = Product Certifications: KL or NA.

f = Easy Upgrade: U or 9.

g = Included Options: GM.

h = Bluetooth: T or 9.

i = Spare Battery Pack: A or none.

j = Valvelink Mobile: V or none.

k = Protective Rubber Boot: S or none.



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Equipment Ratings:

Intrinsically Safe (Entity) 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.00475-1130; Fieldbus Intrinsically Safe Concept (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.00475-1130; Intrinsically safe (Entity) for use in Class I, Zone 0, AEx ia IIC T4 Ta = 50°C; in accordance with Control Drawing No. 00475-1130; Fieldbus Intrinsically Safe Concept (FISCO) for use in Class I, Zone 0, AEx ia IIC T4 Ta = 50°C; in accordance with Control Drawing No. 00475-1130 Hazardous (Classified) Locations.

FM Approved for:

Emerson Process Management Distribution Ltd
Leicester, LE19 1UX, United Kingdom

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

Class 3600	1998
Class 3610	2007
Class 3810	2005

Original Project ID: 3036516

Approval Granted: *June 19, 2009*

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC



J.E. Marquedant
Group Manager, Electrical

19 June 2009

Date