



FM Approvals  
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P.O. Box 9102 Norwood, MA 02062 USA  
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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

***DL42a-b-c-d-ef. Directline Sensor Module.***

IS /I /1 /CD /T4 Ta = 85°C – 51452847; Entity; Type 4X

IS /I /1 /ABCD /T4 Ta = 85°C – 51452847; System; Type 4X

I /0 /AEx ia /IIB /T4 Ta = 85°C – 51452847; Entity; Type 4X

I /0 /AEx ia /IIC /T4 Ta = 85°C – 51452847; System; Type 4X

NI /I /2 /ABCD /T4 Ta = 85°C – 51458427; Nonincendive Field wiring; Type 4X

ANI /I /2 /ABCD /T4 Ta = 85°C – 51452847; Nonincendive Field Wiring; Type 4X

NI /I /2 /IIC /T4 Ta = 85°C – 51452847; Nonincendive Field wiring; Type 4X

ANI /I /2 /IIC /T4 Ta = 85°C – 51452847; Nonincendive Field Wiring; Type 4X

Entity/Nonincendive Field Wiring Parameters:

Vmax = 42.4 V, Imax = 225 mA, Pi = 1 W, Ci = 31.35 nF, Li = 7.5μH

a = Sensor Electronics Module: 4 or 5

b = Output Cable: D, E or F

c = Sensor Cable: 0 or 6

d = Remote Mounting Option: A or B

e = Tagging: 00, LT, or SS

f = Certificates: 00 or CC

***Special Condition for Use:***

1. Accessories acceptable for use with Directline:

Dissolved Oxygen Probes      Electrode Mounting Kits

DL5PPB-100-x                      DL

DL5PPB-100-x

DL5PPB-200-x

DL5PPB-300-x

DL5PPB-400-x

DL5PPB-700-x

DL5PPM-100-x

DL5PPM-200-x

DL5PPM-700-x

x = Additional Model Codes: 000,00W2, 00W3, LN00, LNW2, LNW3, SS00, SSW2, or SSW



## Equipment Ratings:

Intrinsically safe apparatus per control drawing 51452847, for installation in Class I, Division 1, Groups A, B, C and D; Class I, Zone 0, Group IIC Ta = 85°C; Intrinsically safe apparatus with Entity parameters per control drawing 51452847, for installation in Class I, Division 1, Groups C and D; Class I, Zone 0, Group IIB Ta = 85°C; Nonincendive with nonincendive field wire parameters per control drawing 5142847, for installation in Class I, Division 2, Groups A, B, C and D; Class I, Zone 2, Group IIC Ta = 85°C Hazardous (Classified) outdoor (Type 4X) Locations.

## Approved for:

Honeywell International Industrial Measurement & Controls  
E1100 Virginia Drive  
Forth Washington, PA 19034-3260

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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 3611	1999
Class 3810	1989
Including Supplement #1	1995
ISA-S12.0.01	1998
NEMA 250	1991

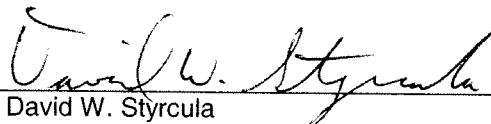
Original Project ID: 3015425

FM Approval Granted: January 27, 2003

Subsequent Revision Reports / Date FM Approval Amended

Report Number	Date	Report Number	Date
3017162	April 25, 2003		

FM Global Technologies LLC

  
 \_\_\_\_\_  
 David W. Styracula  
 Technical Team Manager

4/25/03  
 Date