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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

Uab102cd00ef. Universal IV - Integral

XP-IS / I / I / CD / T4 Ta = 75 °C

I / I / AEx d ia IIB T4 Ta = 75 °C

DIP-IS / II, III / I / EFG / T4 Ta = 75 °C

NI / I / 2 / ABCD / T4 Ta = 75 °C

Type 4, 4X; IP66

a = Type P, L, or C.

b = Frequency and Phasing 0, 1, 2, or 3.

c = Entries 0 or 2.

d = Surge/Noise suppression 0 or 1.

e = Sensing element R111, R112, R113, R114, R115, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 502, 503, 504, 505, 506, 507, 508, 510, 511, or 512.

f = 24 character numbering system not affecting safety.

Uab102cd01ef. Universal IV - Integral with Dual Seal

XP-IS / I / I / CD / T4 Ta = 75 °C

I / I / AEx d ia IIB T4 Ta = 75 °C

DIP-IS / II, III / I / EFG / T4 Ta = 75 °C

NI / I / 2 / ABCD / T4 Ta = 75 °C

Type 4, 4X; IP66

a = Type P, L, or C.

b = Frequency and Phasing 0, 1, 2, or 3.

c = Entries 0 or 2.

d = Surge/Noise suppression 0 or 1.

e = Sensing element 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327.

f = 24 character numbering system not affecting safety.



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Uab101cd00ef. Universal IV - Integral

IS / I, II, III / 1 / ABCDEFG / T4 Ta = 75 °C – 420-0004-412-CD

I / 0 / AEx ia IIC / T4 Ta = 75 °C – 420-0004-412-CD

NI / I / 2 / ABCD / T4 Ta = 75°C;

Type 4, 4X; IP66

- a = Type P, L, or C.
- b = Frequency and Phasing 0, 1, 2, or 3.
- c = Entries 0 or 2.
- d = Surge/noise suppression 0 or 1.
- e = Sensing element R00, R01, R02, R03, R04, R05, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 601, 603604, 605, 606, 607, 608, 609, 610, 611, 613, 703, 705, 706, 708, 709, 713, 714, 715, 722, or any other 7 digit numeric combination maintaining the limits of 420-0004-412-CD.
- f = 24 character numbering system not affecting safety.

Uab101cd01ef. Universal IV – Integral with Dual Seal

IS / I, II, III / 1 / ABCDEFG / T4 Ta = 75 °C – 420-0004-412-CD

I / 0 / AEx ia IIC / T4 Ta = 75 °C – 420-0004-412-CD

NI / I / 2 / ABCD / T4 Ta = 75°C;

Type 4, 4X; IP66

- a = Type P, L, or C.
- b = Frequency and Phasing 0, 1, 2, or 3.
- c = Entries 0 or 2.
- d = Surge/noise suppression 0 or 1.
- e = Sensing element 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 601, 603, 604, 605, 606, 607, 608, 609, 610, 611, 613.
- f = 24 character numbering system not affecting safety.



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Uab102cde0fg. Universal IV - Remote

XP-AIS / I / 1 / CD / T4 Ta = 75 °C;
 I / 1 / AEx d [ia] IIB T4 Ta = 75 °C;
 DIP-AIS / II, III / 1 / EFG / T4 Ta = 75 °C;
 NI / I / 2 / ABCD / T4 Ta = 75 °C;
 Type 4, 4X; IP66

- a = Type P, L, or C.
- b = Frequency and Phasing 0, 1, 2, or 3.
- c = Entries 0 or 2.
- d = Surge/Noise suppression 0, 1, 2, 3, 4, 5, 6, 7, or D
- e = Cable options 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F, G, H, J, K, L, M, N, P, R, S, or Z
- f = Sensing element RO9, 000, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 513, 601, 603, 604, 605, 606, 607, 608, 609, 607, 608, 609, 610, 611, 612, 613, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, or any other 7 digit numeric combination maintaining the limits of 420-0004-412-CD.
- g = 24 character numbering system not affecting safety.

Uab102cde1fg. Universal IV – Remote with Dual Seal

XP-AIS / I / 1 / CD / T4 Ta = 75 °C;
 I / 1 / AEx d [ia] IIB T4 Ta = 75 °C;
 DIP-AIS / II, III / 1 / EFG / T4 Ta = 75 °C;
 NI / I / 2 / ABCD / T4 Ta = 75 °C;
 Type 4, 4X; IP66

- a = Type P, L, or C.
- b = Frequency and Phasing 0, 1, 2, or 3.
- c = Entries 0 or 2.
- d = Surge/Noise suppression 0, 1, 2, 3, 4, 5, 6, 7, or D.
- e = Cable options 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F, G, H, J, K, L, M, N, P, R, S, or Z
- f = Sensing element 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 601, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, or 613.
- g = 24 character numbering system not affecting safety.

Uab101cde0fg. Universal IV - Remote

IS / I, II, III / 1 / ABCDEFG / T4 Ta = 75 °C – 420-0004-412-CD
 I / 0 / AEx ia IIC / T4 Ta = 75 °C – 420-0004-412-CD
 NI / I / 2 / ABCD / T4 Ta = 75 °C;
 Type 4, 4X; IP66

- a = Type P, L, or C.
- b = Frequency and Phasing 0, 1, 2, or 3.
- c = Entries 0 or 2.
- d = Surge/Noise suppression 0, 1, 2, 3, 4, 5, 6, 7, or D.
- e = Cable options 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F, G, H, J, K, L, M, N, P, R, S, Z.
- f = Sensing element RO9, 000, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317,



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318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 513, 601, 603, 604, 605, 606, 607, 608, 609, 607, 608, 609, 610, 611, 612, 613, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, or any other 7 digit numeric combination maintaining the limits of 420-0004-412-CD.

g = 24 character numbering system not affecting safety.

Special Conditions of Use:

1. In Zone 0 locations, care must be taken when installing the aluminium enclosure that even in the event of rare incidents, an ignition source due to impact or friction between the enclosure and iron / steel is excluded.

Uab101cde1fg. Universal IV – Remote with Dual Seal

IS / I, II, III / 1 / ABCDEFG / T4 Ta = 75 °C – 420-0004-412-CD

I / 0 / AEx ia IIC / T4 Ta = 75°C – 420-0004-412-CD

NI / I / 2 / ABCD / T4 Ta = 75°C;

Type 4, 4X; IP66

- a = Type P, L, or C.
- b = Frequency and Phasing 0, 1, 2, or 3.
- c = Entries 0 or 2.
- d = Surge/noise suppression 0, 1, 2, 3, 4, 5, 6, 7, or D.
- e = Cable options 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F, G, H, J, K, L, M, N, P, R, S, Z.
- f = Sensing element 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 601, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, or 613.
- g = 24 character numbering system not affecting safety.

Special Conditions of Use:

1. In Zone 0 locations, care must be taken when installing the aluminium enclosure that even in the event of rare incidents, an ignition source due to impact or friction between the enclosure and iron / steel is excluded.



700-a, Sensor.

IS / I, II, III / 1 / ABCDEFG / T2...T6 Ta = 75°C

I / 1 / AEx ia IIC T2...T6 Ta = 75°C

a = 1202-014, 1202-001, 1202-018, 1202-041, 0001-022, 0001-024, 0001-026, 0001-034, 0001-044, 0001-054, 0001-0634, 0001-344, 0002-023, 0002-024, 0002-027, 0002-028, 0002-033, 0002-054, 0002-321, 0002-360, 0005-054, 0201-005, 0201-025, 0201-026, 0201-028, 0201-036, 1202-031, 1202-033, 1202-061, 1202-081, 0001-016, 0001-324, 0003-009, 0005-035, 0005-048, 0005-348, 0202-036, 0202-043, 0001-040, 0001-074, 0002-037, 0002-040, 0002-044, 0002-057, 0002-064, 0002-224, 0002-321, 0201-027, 0201-051, 0201-052, 0201-058, 0201-059, 0202-002, 0202-053, 0001-018, 0001-045, 0002-027, 0002-029, 0002-036, 0002-046, 0002-059, 0002-227, 0002-363, 0004-031, 0004-050, 0005-009, 0005-018, 0005-019, 0005-028, 0005-029, 0005-036, 0005-045, 0005-085, 0005-095, 0005-096, 0005-354, 0009-002, 0009-024, 0009-057, 011-001, 011-003, 011-015, 0021-001, 0021-002, 0021-003, 0021-007, 0202-054, 0202-056, 0203-003, 0203-004, 0204-002, 0204-022, 0204-024, 0204-038, 0204-048, 0204-049, 0205-005, 0205-015, 0205-018, 0205-075, 0205-078, 0205-079, 0209-002, 0209-024, 1202-010, 9100-403, 1202-061, 9100-195, 1202-051, or any other 7 digit numeric combination maintaining the limits of 420-0004-412-CD.

Equipment Ratings:

The Universal IV Level Transmitter is rated as Intrinsically Safe for Class I, II and III, Groups A-G and Class I, Zone 0, Group IIC, in accordance with drawing 420-0004-412-12; Nonincendive Class I, Division 2, Groups A-D Hazardous (Classified) Locations.

Furthermore, the Integral version is rated as Explosionproof for Class I, Division 1, Groups C & D; Dust Ignitionproof for Class II & III, Division 1, Groups E-G and Class I, Zone 1, Group IIB Hazardous (Classified) Locations with an integral sensor that is Intrinsically Safe for Class I, II & III, Groups A-G and Class I, Zone 1 Hazardous (Classified) Locations. The Remote version is rated as Explosionproof Class I, Division 1, Groups C & D; Dust-Ignitionproof for Class II & III, Division 1, Groups E-G and Class I, Zone 1, Group IIB Hazardous (Classified) Locations with connections to a 700 Series sensor that is Intrinsically Safe for Class I, II & III, Groups A-G and Class I, Zone 1 Hazardous (Classified) Locations.

FM Approved for:

AMETEK Drexelbrook
Horsham, PA



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

FM Class 3600	2011
FM Class 3610	2010
FM Class 3611	2004
FM Class 3615	2006
ANSI / ISA 60079-0	2009
ANSI / ISA 60079-1	2009
ANSI / ISA 60079-11	2011
ANSI / ISA 60079-31	2009
ANSI / IEC 60529	2004

Original Project ID: 3043661

Approval Granted: 11 May 2012

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

11 May 2012

Date