

420-0004-430		Sht. of	1 6	APP'D BY SGA
ISSUE	EDO NO.	APP'D	DATE	
1	5-12-106	SCF	5-17-2012	



Member of the FM Global Group

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 LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

Uab102cd00ef. Universal IV - Integral

XP-IS / I / I / CD / T4 Ta = 75 °C

I / I / Ex 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 / Ex 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.



Member of the FM Global Group

Uab101cd00ef. Universal IV - Integral

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

I / 0 / Ex 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 / Ex 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.



Member of the FM Global Group

Uab102cde0fg. Universal IV - Remote

XP-AIS / I / 1 / CD / T4 Ta = 75 °C;
 I / 1 / Ex 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 / Ex 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, 607, 608, 609, 610, 611, 612, or 613.
- g = 24 character numbering system not affecting safety.



Member of the FM Global Group

Uab101cde0fg. Universal IV - Remote

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

I / 0 / Ex 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, 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.

Uab101cde1fg. Universal IV – Remote with Dual Seal

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

I / 0 / Ex 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.

700-a, Sensor.

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

I / 1 / Ex 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-

420-0004-430	Sht. 5 of 6	ISSUE 1
--------------	----------------	------------



Member of the FM Global Group

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 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 Locations with an integral sensor that is Intrinsically Safe for Class I, II & III, Groups A-G and Class I, Zone 1 Hazardous 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 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 Locations.

FM Approved for:

AMETEK Drexelbrook
Horsham, PA



Member of the FM Global Group

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

CSA C22.2 No. 0.4 - 1982	Reaffirmed 2009
CSA C22.2 No. 0.5-1982	Reaffirmed 2008
CSA-C22.2 No. 25-1966	Reaffirmed 2009
CSA-C22.2 No. 30-1988	Reaffirmed 2007
CSA-C22.2 No. 94-M91	Reaffirmed 2011
CSA C22.2 No. 142-M1987	Reaffirmed 2009
CSA C22.2 No. 213	Reaffirmed 2008
CSA C22.2 No. 60529	2010
CAN / CSA E60079-0	2007
CAN / CSA E60079-1	2007
CAN / CSA E60079-11:2001-02	2011

Original Project ID: 3043661C

Approval Granted: May 11, 2012

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
---------------	------	---------------	------

FM Approvals LLC

J.E. Marquedant

J.E. Marquedant
Group Manager, Electrical

11 May 2012

Date