

EXPLOSIONPROOF TRANSMITTER
ENCLOSURE WITH INTRINSICALLY
SAFE OUTPUT (INTEGRAL PROBE)

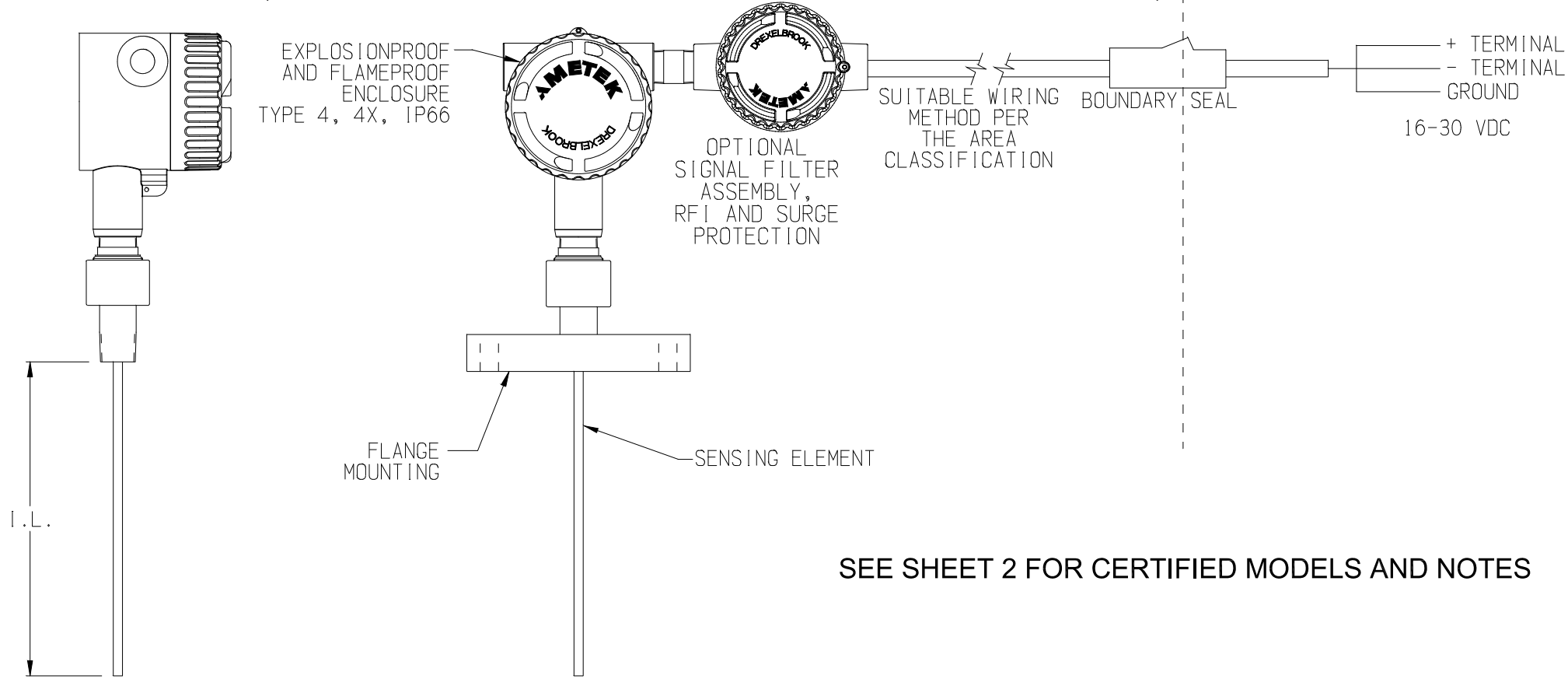
HAZARDOUS (CLASSIFIED) AREA

FM-US/FM-CANADA

XP-IS Class I, Division 1, Groups C,D T4
DIP-IS Class II, III, Division 1, Groups E,F,G T4
Class I, Division 2, Groups A,B,C,D T4
Class I, Zone 1, AEx/Ex db ia IIB T4 Gb
-40°C ≤ Ta ≤ +75°C
TYPE 4, 4X, IP66

NON-HAZARDOUS AREA

(SENSING ELEMENTS ARE INTRINSICALLY SAFE FOR ALL OF THE ABOVE RATINGS)



SEE SHEET 2 FOR CERTIFIED MODELS AND NOTES

CERTIFIED	by					COPYRIGHT 2023	AMETEK® DREXELBROOK	FM/FM _c CONTROL DRAWING FOR UNIVERSAL V (INTEGRAL) XP INSTALLATION		
PO #						AMETEK DREXELBROOK				
ENG						SCALE NONE				
USER						UNLESS OTHERWISE STATED ALL DIMENSIONS IN INCHES (MM)				
		1	4-23-107	SGA	8-14-23	DR. JEN 8-14-23	205 KEITH VALLEY RD HORSHAM, PA 19044-9986	215-674-1234 FAX 215-674-2731	420-0004-640-CD	
DE #		ISS.	EDO/DSR NO.	APP'D	DATE	CK. TDH 8-14-23				

- NOTES FOR PAGE 1:
- 1. THE INSTALLATION SHALL COMPLY WITH THE RELEVANT REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE® (ANSI/NFPA 70) AND THE CANADIAN ELECTRICAL CODE (C22.1) AS APPLICABLE.
 - 2. NO REVISION TO DRAWING WITHOUT PRIOR FM APPROVAL.
 - 3. UNUSED OPENINGS MUST BE PROPERLY SEALED TO MAINTAIN ENCLOSURE ENVIRONMENTAL AND/OR HAZARDOUS LOCATION RATINGS.
 - 4. FOR USE IN AMBIENT TEMPERATURES ABOVE 50°C, INSTALLATION WIRING SHOULD BE RATED TO 90°C OR GREATER.
 - 5. A SEAL IS REQUIRED WITHIN 50MM OF THE ENCLOSURE.

CERTIFIED MODELS

Vab102cd00ef

- a = TYPE P, L, C, T OR M
- b = FREQUENCY AND PHASING 0, 1, 2, 3
- c = ENTRIES 0, 2
- d = SURGE/NOISE SUPPRESSION 0, 1
- e = SENSING ELEMENT: 201, 202, 203, 204, 205, 206, 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, 512, S12, S13, S14, S16, S18 S42, S43, S44, S46, S48
- f = 24 CHARACTER NUMBERING SYSTEM THAT DOES NOT AFFECT SAFETY

CERTIFIED	by					COPYRIGHT 2023		FM/FMc CONTROL DRAWING FOR UNIVERSAL V (INTEGRAL) XP INSTALLATION			
PO #						AMETEK DREXELBROOK					
ENG						SCALE NONE					
USER						UNLESS OTHERWISE STATED ALL DIMENSIONS IN INCHES (MM)					
		1	4-23-107	SGA	8-14-23	DR. JEN 8-14-23					
DE #		ISS.	EDO/DSR NO.	APP'D	DATE	CK. TDH 8-14-23	205 KEITH VALLEY RD HORSHAM, PA 19044-9986	215-674-1234 FAX 215-674-2731	420-0004-640-CD	SHT. 2 OF 20	ISS. 1

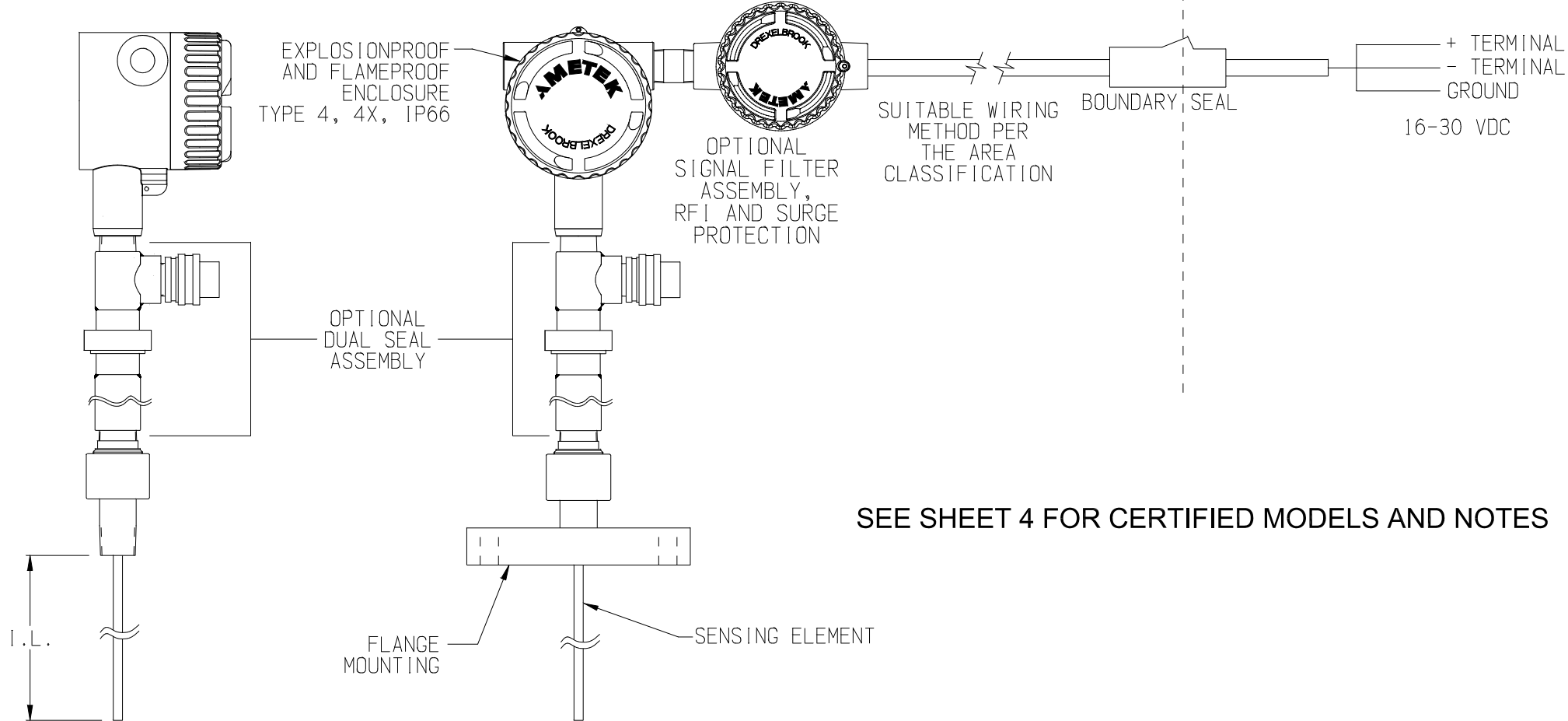
EXPLOSIONPROOF TRANSMITTER
ENCLOSURE WITH INTRINSICALLY
SAFE OUTPUT (INTEGRAL PROBE)

HAZARDOUS (CLASSIFIED) AREA
FM-US/FM-CANADA

XP-IS Class I, Division 1, Groups C,D T4
DIP-IS Class II, III, Division 1, Groups E,F,G T4
Class I, Division 2, Groups A,B,C,D T4
Class I, Zone 1, AEx/Ex db ia IIB T4 Gb
-40°C ≤ Ta ≤ +75°C
TYPE 4, 4X, IP66

NON-HAZARDOUS AREA

(SENSING ELEMENTS ARE INTRINSICALLY SAFE FOR ALL OF THE ABOVE RATINGS)



SEE SHEET 4 FOR CERTIFIED MODELS AND NOTES

CERTIFIED	by _____						COPYRIGHT _____ 2023	AMETEK® DREXELBROOK	FM/FM _c CONTROL DRAWING FOR UNIVERSAL V (INTEGRAL) XP INSTALLATION DUAL SEAL OPTION
PO # _____							AMETEK DREXELBROOK		
ENG _____							SCALE _____ NONE		
USER _____							UNLESS OTHERWISE STATED ALL DIMENSIONS IN INCHES (MM)		
		1	4-23-107	SGA	8-14-23	DR. JEN 8-14-23			
E # _____	ISS.	EDO/DSR NO.	APP'D	DATE		CK. TDH 8-14-23	205 KEITH VALLEY RD HORSHAM, PA 19044-9986	215-674-1234 FAX 215-674-2731	420-0004-640-CD
								SHT. 3 OF 20	ISS. 1

NOTES FOR PAGE 3:

1. THE INSTALLATION SHALL COMPLY WITH THE RELEVANT REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE® (ANSI/NFPA 70) AND THE CANADIAN ELECTRICAL CODE (C22.1) AS APPLICABLE.
2. NO REVISION TO DRAWING WITHOUT PRIOR FM APPROVAL.
3. UNUSED OPENINGS MUST BE PROPERLY SEALED TO MAINTAIN ENCLOSURE ENVIRONMENTAL AND/OR HAZARDOUS LOCATION RATINGS.
4. FOR USE IN AMBIENT TEMPERATURES ABOVE 50°C, INSTALLATION WIRING SHOULD BE RATED TO 90°C OR GREATER.
5. A SEAL IS REQUIRED WITHIN 50MM OF THE ENCLOSURE.

CERTIFIED MODELS

Vab102cd01ef

a = TYPE P, L, C, T OR M
b = FREQUENCY AND PHASING 0, 1, 2, 3
c = ENTRIES 0, 2
d = SURGE/NOISE SUPPRESSION 0, 1
e = SENSING ELEMENT: 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111,
112, 113, 201, 202, 203, 204, 205, 206, 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, S02, S03, S04, S06, S08

f = 24 CHARACTER NUMBERING SYSTEM THAT DOES NOT AFFECT SAFETY

CERTIFIED	by _____					COPYRIGHT 2023		FM/FMc CONTROL DRAWING FOR UNIVERSAL V (INTEGRAL) XP INSTALLATION DUAL SEAL OPTION	
PO #	_____					AMETEK DREXELBROOK			
ENG	_____					SCALE NONE			
USER	_____					UNLESS OTHERWISE STATED ALL DIMENSIONS IN INCHES (MM)			

	_____	1	4-23-107	SGA	8-14-23	DR. JEN 8-14-23			
DE #	_____	ISS.	EDO/DSR NO.	APP'D	DATE	CK. TDH 8-14-23	205 KEITH VALLEY RD HORSHAM, PA 19044-9986	215-674-1234 FAX 215-674-2731	
							420-0004-640-CD	SHT. 4 OF 20	ISS. 1

HAZARDOUS (CLASSIFIED) AREA

FM-US/FM-CANADA

IS Class I, II, III, Division 1, Groups A,B,C,D,E,F,G T4
 Class I, Zone 0, AEx/Ex ia IIC T4 Ga
 Class I, Division 2, Groups A,B,C,D T4
 $-40^{\circ}\text{C} \leq T_a \leq +75^{\circ}\text{C}$
 TYPE 4, 4X, IP66

NON-HAZARDOUS AREA

$V_{\text{max}} = 30\text{V}$
 $I_{\text{max}} = 140\text{mA}$
 $P_{\text{max}} = 1\text{W}$
 $C_i = 0\mu\text{F}$
 $L_i = 0\mu\text{H}$

FM APPROVED
 ASSOCIATED
 APPARATUS

GND 1
 - 2
 + 3

$V_{\text{oc}} \leq 30\text{V}$
 $I_{\text{sc}} \leq 140\text{mA}$
 $P_o = 1\text{W}$
 $C_a \geq 0.0\mu\text{F} + \text{C CABLE}$
 $L_a \geq L_i + \text{L CABLE}$

SUITABLE WIRING
 METHOD PER
 THE AREA
 CLASSIFICATION

OPTIONAL
 SIGNAL FILTER
 ASSEMBLY,
 RFI AND SURGE
 PROTECTION

EXPLOSIONPROOF
 AND FLAMEPROOF
 ENCLOSURE
 TYPE 4, 4X, IP66

FLANGE
 MOUNTING

SENSING ELEMENT

SEE SHEET 6 FOR CERTIFIED MODELS AND NOTES

No. 420-0004-640-CD

SHT 5 OF 20

CERTIFIED	by					COPYRIGHT 2023		FM/FM _c CONTROL DRAWING FOR UNIVERSAL V (INTEGRAL) IS ENTITY INSTALLATION			
PO #						AMETEK DREXELBROOK					
ENG						SCALE NONE					
USER						UNLESS OTHERWISE STATED ALL DIMENSIONS IN INCHES (MM)					
		1	4-23-107	SGA	8-14-23	DR. JEN 8-14-23					
DE #		ISS.	EDO/DSR NO.	APP'D	DATE	CK. TDH 8-14-23	205 KEITH VALLEY RD HORSHAM, PA 19044-9986	215-674-1234 FAX 215-674-2731	420-0004-640-CD	SHT. 5 OF 20	ISS. 1

NOTES FOR PAGE 5:

1. THE INSTALLATION SHALL COMPLY WITH THE RELEVANT REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE® (ANSI/NFPA 70) AND THE CANADIAN ELECTRICAL CODE (C22.1) AS APPLICABLE.
2. NO REVISION TO DRAWING WITHOUT PRIOR FM APPROVAL.
3. CONTROL EQUIPMENT CONNECTED TO ASSOCIATED APPARATUS MUST NOT USE OR GENERATE MORE THAN 250 Vrms OR Vdc.
4. ASSOCIATED APPARATUS MANUFACTURER'S INSTALLATION DRAWING MUST BE FOLLOWED WHEN INSTALLING THIS EQUIPMENT.
5. DUST-TIGHT BOUNDARY SEAL MUST BE USED WHEN INSTALLED IN CLASS II AND CLASS III ENVIRONMENTS.
6. WARNING - SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY.
7. UNUSED OPENINGS MUST BE PROPERLY SEALED TO MAINTAIN ENCLOSURE ENVIRONMENTAL AND/OR HAZARDOUS LOCATION RATINGS.
8. FOR USE IN AMBIENT TEMPERATURES ABOVE 50°C, INSTALLATION WIRING SHOULD BE RATED TO 90°C OR GREATER.

CERTIFIED MODELS

Vab101cd00ef

- a = TYPE P, L, C, T OR M
b = FREQUENCY AND PHASING 0, 1, 2, 3
c = ENTRIES 0, 2
d = SURGE/NOISE SUPPRESSION 0, 1
e = SENSING ELEMENT: 201, 202, 203, 204, 205,
206, 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, 603, 604, 605, 606,
607, 608, 609, 610, 611, 613, 703, 705, 706, 708, 709,
713, 714, 715, 722, S12, S13, S14, S16, S18, S42, S43,
S44, S46, S48, ZZZ*
f = 24 CHARACTER NUMBERING SYSTEM THAT DOES NOT AFFECT SAFETY

ZZZ* = SPECIAL SENSING ELEMENT
700- ANY 7 DIGIT NUMERIC COMBINATION

NOTES:

1. MAXIMUM PROCESS TEMPERATURE 290°C
2. MAXIMUM SENSOR CAPACITANCE < 1uF
3. MAXIMUM INSERTION LENGTH **RIGID SENSOR** 30 FEET (9.144 METERS)
4. MAXIMUM INSERTION LENGTH **FLEXIBLE SENSOR** 2000 FEET (609.6 METERS)
5. SENSING ELEMENT ENCLOSURE IP66 (IP RATING DOES NOT APPLY TO SPECIAL SENSORS SUPPLIED WITHOUT A 285- SERIES SENSING ELEMENT ENCLOSURE).

CERTIFIED	by _____				COPYRIGHT 2023		FM/FM _c CONTROL DRAWING FOR UNIVERSAL V (INTEGRAL) IS ENTITY INSTALLATION	
PO # _____					AMETEK DREXELBROOK			
ENG _____					SCALE <u>NONE</u>			
USER _____					UNLESS OTHERWISE STATED ALL DIMENSIONS IN INCHES (MM)			
_____	1	4-23-107	SGA	8-14-23	DR. JEN 8-14-23	420-0004-640-CD		
DE # _____	ISS.	EDO/DSR NO.	APP'D	DATE	CK. TDH 8-14-23			

205 KEITH VALLEY RD
HORSHAM, PA 19044-9986

215-674-1234
FAX 215-674-2731

No. 420-0004-640-CD

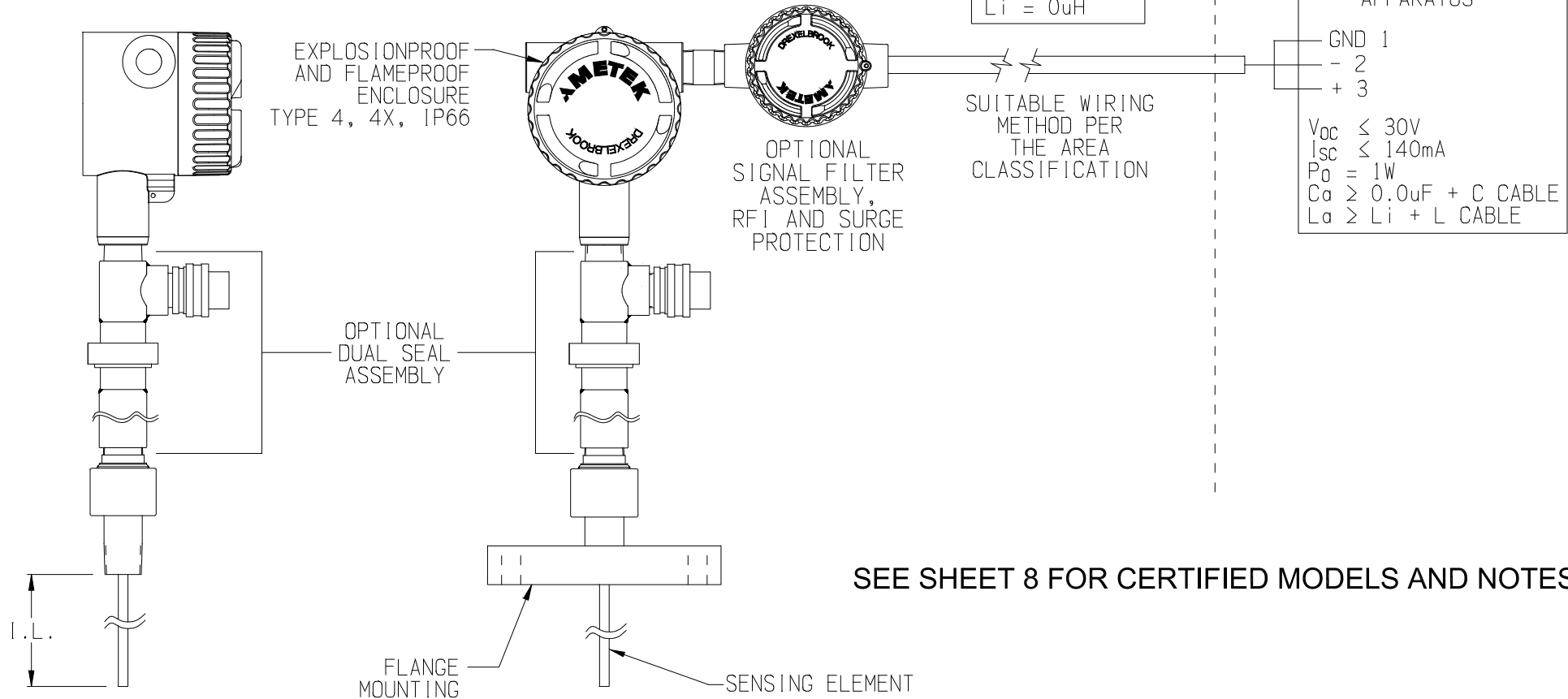
SHT 6 OF 20

HAZARDOUS (CLASSIFIED) AREA

FM-US/FM-CANADA

IS Class I, II, III, Division 1, Groups A,B,C,D,E,F,G T4
Class I, Zone 0, AEx/Ex ia IIC T4 Ga
Class I, Division 2, Groups A,B,C,D T4
-40°C ≤ Ta ≤ +75°C
TYPE 4, 4X, IP66

NON-HAZARDOUS AREA



SEE SHEET 8 FOR CERTIFIED MODELS AND NOTES

CERTIFIED	by					COPYRIGHT 2023	AMETEK® DREXELBROOK 205 KEITH VALLEY RD HORSHAM, PA 19044-9986 215-674-1234 FAX 215-674-2731	FM/FM _c CONTROL DRAWING FOR UNIVERSAL V (INTEGRAL) IS ENTITY INSTALLATION DUAL SEAL OPTION		
PO #						AMETEK DREXELBROOK				
ENG						SCALE NONE				
USER						UNLESS OTHERWISE STATED ALL DIMENSIONS IN INCHES (MM)				
		1	4-23-107	SGA	8-14-23	DR. JEN 8-14-23				
DE #		ISS. EDO/DSR NO.	APP'D	DATE	CK. TDH 8-14-23					
							420-0004-640-CD			
							SHT. 7 OF 20			
							ISS. 1			

- NOTES FOR PAGE 7:
- 1. THE INSTALLATION SHALL COMPLY WITH THE RELEVANT REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE® (ANSI/NFPA 70) AND THE CANADIAN ELECTRICAL CODE (C22.1) AS APPLICABLE.
 - 2. NO REVISION TO DRAWING WITHOUT PRIOR FM APPROVAL.
 - 3. CONTROL EQUIPMENT CONNECTED TO ASSOCIATED APPARATUS MUST NOT USE OR GENERATE MORE THAN 250 Vrms OR Vdc.
 - 4. ASSOCIATED APPARATUS MANUFACTURER'S INSTALLATION DRAWING MUST BE FOLLOWED WHEN INSTALLING THIS EQUIPMENT.
 - 5. DUST-TIGHT BOUNDARY SEAL MUST BE USED WHEN INSTALLED IN CLASS II AND CLASS III ENVIRONMENTS.
 - 6. WARNING - SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY.
 - 7. UNUSED OPENINGS MUST BE PROPERLY SEALED TO MAINTAIN ENCLOSURE ENVIRONMENTAL AND/OR HAZARDOUS LOCATION RATINGS.
 - 8. FOR USE IN AMBIENT TEMPERATURES ABOVE 50°C, INSTALLATION WIRING SHOULD BE RATED TO 90°C OR GREATER.

CERTIFIED MODELS

Vab101cd01ef

- a = TYPE P, L, C, T OR M
- b = FREQUENCY AND PHASING 0, 1, 2, 3
- c = ENTRIES 0, 2
- d = SURGE/NOISE SUPPRESSION 0, 1
- e = SENSING ELEMENT: 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 201, 202, 203, 204, 205, 206, 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, S02, S03, S04, S06, S08
- f = 24 CHARACTER NUMBERING SYSTEM THAT DOES NOT AFFECT SAFETY

CERTIFIED	by					COPYRIGHT 2023		FM/FMc CONTROL DRAWING FOR UNIVERSAL V (INTEGRAL) IS ENTITY INSTALLATION DUAL SEAL OPTION		
PO #						AMETEK DREXELBROOK				
ENG						SCALE NONE				
USER						UNLESS OTHERWISE STATED ALL DIMENSIONS IN INCHES (MM)				
		1	4-23-107	SGA	8-14-23	DR. JEN 8-14-23				
DE #		ISS.	EDO/DSR NO.	APP'D	DATE	CK. IDH 8-14-23	205 KEITH VALLEY RD HORSHAM, PA 19044-9986	215-674-1234 FAX 215-674-2731		
								420-0004-640-CD	SHT. 8 OF 20	ISS. 1

HAZARDOUS (CLASSIFIED) AREA

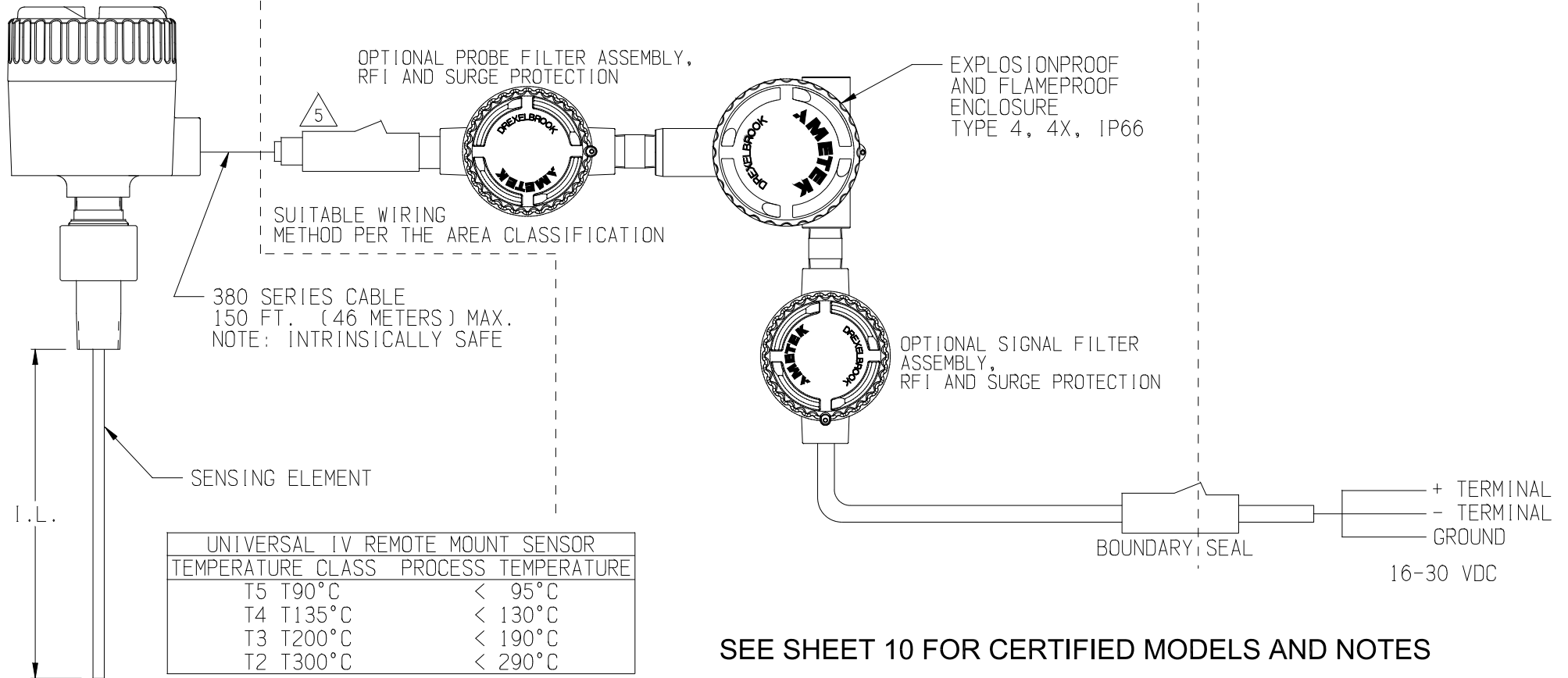
FM-US/FM-CANADA

XP-AIS Class I, Division 1, Groups C,D T4
 DIP-AIS Class II, III, Division 1, Groups E,F,G T4
 Class I, Division 2, Groups A,B,C,D T4
 Class I, Zone 1, AEx/Ex db [ia Ga] IIB T4 Gb
 $-40^{\circ}\text{C} \leq T_a \leq +75^{\circ}\text{C}$
 TYPE 4, 4X, IP66

(SENSING ELEMENTS)

IS Class I, II, III, Division 1, Groups A,B,C,D,E,F,G
 Class I, Zone 1, AEx/Ex ia IIC T5...T2 $T_a = +75^{\circ}\text{C}$

NON-HAZARDOUS AREA



SEE SHEET 10 FOR CERTIFIED MODELS AND NOTES

CERTIFIED	by _____				COPYRIGHT 2023		FM/FMc CONTROL DRAWING FOR UNIVERSAL V (REMOTE) XP INSTALLATION
PO #	_____				AMETEK DREXELBROOK		
ENG	_____				SCALE NONE		
USER	_____				UNLESS OTHERWISE STATED ALL DIMENSIONS IN INCHES (MM)		
DE #	_____	1	4-23-107	SGA	8-14-23	DR. JEN 8-14-23	420-0004-640-CD
		ISS. EDO/DSR NO.	APP'D	DATE	CK. TDH 8-14-23	205 KEITH VALLEY RD HORSHAM, PA 19044-9986 215-674-1234 FAX 215-674-2731	
							SHT. 9 OF 20 1

No. 420-0004-640-CD

SHT 9 OF 20

- NOTES FOR PAGE 9:
- 1. THE INSTALLATION SHALL COMPLY WITH THE RELEVANT REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE® (ANSI/NFPA 70) AND THE CANADIAN ELECTRICAL CODE (C22.1) AS APPLICABLE.
 - 2. NO REVISION TO DRAWING WITHOUT PRIOR FM APPROVAL.
 - 3. UNUSED OPENINGS MUST BE PROPERLY SEALED TO MAINTAIN ENCLOSURE ENVIRONMENTAL AND/OR HAZARDOUS LOCATION RATINGS.
 - 4. OPTIONAL FILTERS 401-0016-030 AND 401-0016-031 MAY BE INSTALLED IN SENSOR ENCLOSURE.
 - 5. CONDUIT SEAL REQUIRED SUITABLE FOR THE APPLICATION WHEN OPTIONAL PROBE FILTER IS NOT INSTALLED.
 - 6. FOR USE IN AMBIENT TEMPERATURES ABOVE 50°C, INSTALLATION WIRING SHOULD BE RATED TO 90°C OR GREATER.
 - 7. A SEAL IS REQUIRED WITHIN 50MM OF THE ENCLOSURE.

CERTIFIED MODELS

Vab102cde0fg

a = TYPE P, L, OR C.

b = FREQUENCY AND PHASING 0, 1, 2, 3

c = ENTRIES 0, 2

d = SURGE/NOISE SUPPRESSION 0, 1, 2, 3, 4, 5, 6, 7, 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: R09, 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, 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, S02, S03, S04, S06, S08, ZZZ*

g = 24 CHARACTER NUMBERING SYSTEM THAT DOES NOT AFFECT SAFETY

ZZZ* = SPECIAL SENSING ELEMENT
700- ANY 7 DIGIT NUMERIC COMBINATION
NOTES:

- 1. MAXIMUM PROCESS TEMPERATURE 290°C
- 2. MAXIMUM SENSOR CAPACITANCE < 1uF
- 3. MAXIMUM INSERTION LENGTH **RIGID SENSOR** 30 FEET (9.144 METERS)
- 4. MAXIMUM INSERTION LENGTH **FLEXIBLE SENSOR** 2000 FEET (609.6 METERS)
- 5. SENSING ELEMENT ENCLOSURE IP66 (IP RATING DOES NOT APPLY TO SPECIAL SENSORS SUPPLIED WITHOUT A 285- SERIES SENSING ELEMENT ENCLOSURE).

CERTIFIED	by _____					COPYRIGHT 2023		FM/FMc CONTROL DRAWING FOR UNIVERSAL V (REMOTE) XP INSTALLATION		
PO #	_____					AMETEK DREXELBROOK				
ENG	_____					SCALE NONE				
USER	_____					UNLESS OTHERWISE STATED ALL DIMENSIONS IN INCHES (MM)				

DE #	_____	1	4-23-107	SGA	8-14-23	DR. JEN 8-14-23				
		ISS.	EDO/DSR NO.	APP'D	DATE	CK. TDH 8-14-23	205 KEITH VALLEY RD HORSHAM, PA 19044-9986	215-674-1234 FAX 215-674-2731		
								420-0004-640-CD	SHT.10 OF 20	ISS. 1

SHT 11 OF 20

- NOTES FOR PAGE 11:
- 1. THE INSTALLATION SHALL COMPLY WITH THE RELEVANT REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE® (ANSI/NFPA 70) AND THE CANADIAN ELECTRICAL CODE (C22.1) AS APPLICABLE.
 - 2. NO REVISION TO DRAWING WITHOUT PRIOR FM APPROVAL.
 - 3. UNUSED OPENINGS MUST BE PROPERLY SEALED TO MAINTAIN ENCLOSURE ENVIRONMENTAL AND/OR HAZARDOUS LOCATION RATINGS.
 - 4. OPTIONAL FILTERS 401-0016-030 AND 401-0016-031 MAY BE INSTALLED IN SENSOR ENCLOSURE.
 - 5. CONDUIT SEAL REQUIRED SUITABLE FOR THE APPLICATION WHEN OPTIONAL PROBE FILTER IS NOT INSTALLED.
 - 6. FOR USE IN AMBIENT TEMPERATURES ABOVE 50°C, INSTALLATION WIRING SHOULD BE RATED TO 90°C OR GREATER.
 - 7. A SEAL IS REQUIRED WITHIN 50MM OF THE ENCLOSURE.

CERTIFIED MODELS

Vab102cde1fg

- a = TYPE P, L, OR C.
- b = FREQUENCY AND PHASING 0, 1, 2, 3
- c = ENTRIES 0, 2
- d = SURGE/NOISE SUPPRESSION 0, 2, 3, 4, 5, 6, 7, D
- e = CABLE OPTIONS: 1, 2, 3, 4, 5, 6, 7, 8, 9, A, C, B, 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, 613, S02, S03, S04, S06, S08
- g = 24 CHARACTER NUMBERING SYSTEM THAT DOES NOT AFFECT SAFETY

CERTIFIED	by _____					COPYRIGHT 2023		FM/FMc CONTROL DRAWING FOR UNIVERSAL V (REMOTE) XP INSTALLATION DUAL SEAL OPTION		
PO #	_____					AMETEK DREXELBROOK				
ENG	_____					SCALE NONE				
USER	_____					UNLESS OTHERWISE STATED ALL DIMENSIONS IN INCHES (MM)				

		1	4-23-107	SGA	8-14-23	DR. JEN 8-14-23				
DE #	_____	ISS.	EDO/DSR NO.	APP'D	DATE	CK. TDH 8-14-23	205 KEITH VALLEY RD HORSHAM, PA 19044-9986	215-674-1234 FAX 215-674-2731		
								420-0004-640-CD	SHT. 12 OF 20	ISS. 1

FM-US/FM-CANADA

IS Class I, II, III, Division 1, Groups A,B,C,D,E,F,G T4
Class I, Zone 0, AEx/Ex ia IIC T4 Ga
Class I, Division 2, Groups A,B,C,D T4
-40°C ≤ Ta ≤ +75°C
TYPE 4, 4X, IP66

HAZARDOUS (CLASSIFIED) AREA

V_{max} = 30V
I_{max} = 140mA
P_{max} = 1W
C_i = 0uF
L_i = 0uH

NON-HAZARDOUS AREA

(SENSING ELEMENTS ARE INTRINSICALLY SAFE FOR ALL OF THE ABOVE RATINGS)

OPTIONAL PROBE FILTER ASSEMBLY,
RFI AND SURGE PROTECTION

EXPLOSIONPROOF
AND FLAMEPROOF
ENCLOSURE
TYPE 4, 4X, IP66

SUITABLE WIRING
METHOD PER THE AREA CLASSIFICATION

380 SERIES CABLE
150 FT. (46 METERS) MAX.
NOTE: INTRINSICALLY SAFE

SENSING ELEMENT

OPTIONAL SIGNAL FILTER
ASSEMBLY,
RFI AND SURGE PROTECTION

UNIVERSAL V REMOTE MOUNT SENSOR		
TEMPERATURE CLASS	PROCESS	TEMPERATURE
T5 T90°C	<	95°C
T4 T135°C	<	130°C
T3 T200°C	<	190°C
T2 T300°C	<	290°C

FM APPROVED
ASSOCIATED
APPARATUS

GND 1
- 2
+ 3

V_{oc} ≤ 30V
I_{sc} ≤ 140mA
P_o = 1W
C_a ≥ 0.0uF + C CABLE
L_a ≥ L_i + L CABLE

SEE SHEET 14 FOR CERTIFIED MODELS AND NOTES

No. 420-0004-640-CD

SHT 13 OF 20

CERTIFIED	by				COPYRIGHT 2023
PO #					AMETEK DREXELBROOK
ENG					SCALE NONE
USER					UNLESS OTHERWISE STATED ALL DIMENSIONS IN INCHES (MM)
	1	4-23-107	SGA	8-14-23	DR. JEN 8-14-23
DE #	ISS.	EDO/DSR NO.	APP'D	DATE	CK. TDH 8-14-23

AMETEK®
DREXELBROOK

205 KEITH VALLEY RD
HORSHAM, PA 19044-9986

215-674-1234
FAX 215-674-2731

FM/FMc CONTROL DRAWING FOR
UNIVERSAL V (REMOTE)
IS ENTITY INSTALLATION

420-0004-640-CD

SHT. 13 OF 20 ISS. 1

NOTES FOR PAGE 13:

1. THE INSTALLATION SHALL COMPLY WITH THE RELEVANT REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE® (ANSI/NFPA 70) AND THE CANADIAN ELECTRICAL CODE (C22.1) AS APPLICABLE.
2. NO REVISION TO DRAWING WITHOUT PRIOR FM APPROVAL.
3. CONTROL EQUIPMENT CONNECTED TO ASSOCIATED APPARATUS MUST NOT USE OR GENERATE MORE THAN 250 Vrms OR Vdc.
4. ASSOCIATED APPARATUS MANUFACTURER'S INSTALLATION DRAWING MUST BE FOLLOWED WHEN INSTALLING THIS EQUIPMENT.
5. DUST-TIGHT CONDUIT SEAL MUST BE USED WHEN INSTALLED IN CLASS II AND CLASS III ENVIRONMENTS.
6. WARNING - SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY.
7. UNUSED OPENINGS MUST BE PROPERLY SEALED TO MAINTAIN ENCLOSURE ENVIRONMENTAL AND/OR HAZARDOUS LOCATION RATINGS.
8. OPTIONAL FILTERS 401-0016-030 AND 401-0016-031 MAY BE INSTALLED IN SENSOR ENCLOSURE.
9. FOR USE IN AMBIENT TEMPERATURES ABOVE 50°C, INSTALLATION WIRING SHOULD BE RATED TO 90°C OR GREATER.

CERTIFIED MODELS

Vab101cde0fg

a = TYPE P, L, OR C.
b = FREQUENCY AND PHASING 0, 1, 2, 3
c = ENTRIES 0, 2
d = SURGE/NOISE SUPPRESSION 0, 1, 2, 3, 4, 5, 6, 7, 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: R09, 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, 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, S02, S03, S04, S06, S08,
ZZZ*
g = 24 CHARACTER NUMBERING SYSTEM THAT DOES NOT AFFECT SAFETY

ZZZ* = SPECIAL SENSING ELEMENT
700- ANY 7 DIGIT NUMERIC COMBINATION
NOTES:

1. MAXIMUM PROCESS TEMPERATURE 290°C
2. MAXIMUM SENSOR CAPACITANCE < 1uF
3. MAXIMUM INSERTION LENGTH **RIGID SENSOR** 30 FEET (9.144 METERS)
4. MAXIMUM INSERTION LENGTH **FLEXIBLE SENSOR** 2000 FEET (609.6 METERS)
5. SENSING ELEMENT ENCLOSURE IP66 (IP RATING DOES NOT APPLY TO SPECIAL SENSORS SUPPLIED WITHOUT A 285- SERIES SENSING ELEMENT ENCLOSURE).

CERTIFIED	by _____				COPYRIGHT 2023		FM/FMc CONTROL DRAWING FOR UNIVERSAL V (REMOTE) IS ENTITY INSTALLATION
PO # _____					AMETEK DREXELBROOK		
ENG _____					SCALE NONE		
USER _____					UNLESS OTHERWISE STATED ALL DIMENSIONS IN INCHES (MM)		
		1	4-23-107	SGA	8-14-23	DR. JEN 8-14-23	420-0004-640-CD
DE # _____	ISS. EDO/DSR NO.	APP'D	DATE	CK. TDH 8-14-23			

205 KEITH VALLEY RD
HORSHAM, PA 19044-9986

215-674-1234
FAX 215-674-2731

SHT. 14 OF 20

ISS. 1

FM-US/FM-CANADA

IS Class I, II, III, Division 1, Groups A,B,C,D,E,F,G T4
Class I, Zone 0, AEx/Ex ia IIC T4 Gc
Class I, Division 2, Groups A,B,C,D T4
-40°C ≤ Ta ≤ +75°C
TYPE 4, 4X, IP66

HAZARDOUS (CLASSIFIED) AREA

NON-HAZARDOUS AREA

V_{max} = 30V
I_{max} = 140mA
P_{max} = 1W
C_i = 0uF
L_i = 0uH

(SENSING ELEMENTS ARE INTRINSICALLY SAFE FOR ALL OF THE ABOVE RATINGS)

OPTIONAL PROBE FILTER ASSEMBLY,
RFI AND SURGE PROTECTION

EXPLOSIONPROOF
AND FLAMEPROOF
ENCLOSURE
TYPE 4, 4X, IP66

SUITABLE WIRING
METHOD PER THE AREA CLASSIFICATION

380 SERIES CABLE
150 FT. (46 METERS) MAX.
NOTE: INTRINSICALLY SAFE

OPTIONAL
DUAL SEAL
ASSEMBLY

OPTIONAL SIGNAL FILTER
ASSEMBLY,
RFI AND SURGE PROTECTION

FM APPROVED
ASSOCIATED
APPARATUS

GND 1
- 2
+ 3

V_{oc} ≤ 30V
I_{sc} ≤ 140mA
P_o = 1W
C_a ≥ 0.0uF + C CABLE
L_a ≥ L_i + L CABLE

UNIVERSAL V REMOTE MOUNT SENSOR			
TEMPERATURE CLASS	PROCESS	TEMPERATURE	
T5 T90°C	<	95°C	
T4 T135°C	<	130°C	
T3 T200°C	<	190°C	
T2 T300°C	<	290°C	

SENSING
ELEMENT

SEE SHEET 16 FOR CERTIFIED MODELS AND NOTES

I.L.

CERTIFIED by _____
PO # _____
ENG _____
USER _____
DE # _____

1	4-23-107	SGA	8-14-23
ISS.	EDO/DSR NO.	APP'D	DATE

COPYRIGHT 2023
AMETEK DREXELBROOK
SCALE NONE
UNLESS OTHERWISE STATED
ALL DIMENSIONS IN INCHES (MM)
DR. JEN 8-14-23
CK. TDH 8-14-23

AMETEK®
DREXELBROOK

205 KEITH VALLEY RD
HORSHAM, PA 19044-9986

215-674-1234
FAX 215-674-2731

FM/FM_c CONTROL DRAWING FOR
UNIVERSAL V (REMOTE)
IS ENTITY INSTALLATION
DUAL SEAL OPTION

420-0004-640-CD

SHT. 15 OF 20
ISS. 1

No. 420-0004-640-CD

SHT. 15 OF 20

NOTES FOR PAGE 15:

1. THE INSTALLATION SHALL COMPLY WITH THE RELEVANT REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE® (ANSI/NFPA 70) AND THE CANADIAN ELECTRICAL CODE (C22.1) AS APPLICABLE.
2. NO REVISION TO DRAWING WITHOUT PRIOR FM APPROVAL.
3. CONTROL EQUIPMENT CONNECTED TO ASSOCIATED APPARATUS MUST NOT USE OR GENERATE MORE THAN 250 Vrms OR Vdc.
4. ASSOCIATED APPARATUS MANUFACTURER'S INSTALLATION DRAWING MUST BE FOLLOWED WHEN INSTALLING THIS EQUIPMENT.
5. DUST-TIGHT CONDUIT SEAL MUST BE USED WHEN INSTALLED IN CLASS II AND CLASS III ENVIRONMENTS.
6. WARNING - SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY.
7. UNUSED OPENINGS MUST BE PROPERLY SEALED TO MAINTAIN ENCLOSURE ENVIRONMENTAL AND/OR HAZARDOUS LOCATION RATINGS.
8. OPTIONAL FILTERS 401-0016-030 AND 401-0016-031 MAY BE INSTALLED IN SENSOR ENCLOSURE.
9. FOR USE IN AMBIENT TEMPERATURES ABOVE 50°C, INSTALLATION WIRING SHOULD BE RATED TO 90°C OR GREATER.

CERTIFIED MODELS

Vab101cde1fg

- a = TYPE P, L, OR C.
b = FREQUENCY AND PHASING 0, 1, 2, 3
c = ENTRIES 0, 2
d = SURGE/NOISE SUPPRESSION 0, 1, 2, 3, 4, 5, 6, 7, D
e = CABLE OPTIONS: 1,2,3,4,5,6,7,8,9,A,C,B,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, 613, S02, S03, S04, S06, S08
g = 24 CHARACTER NUMBERING SYSTEM THAT DOES NOT AFFECT SAFETY

CERTIFIED	by _____					COPYRIGHT 2023		FM/FM _c CONTROL DRAWING FOR UNIVERSAL V (REMOTE) IS ENTITY INSTALLATION DUAL SEAL OPTION			
PO #	_____					AMETEK DREXELBROOK					
ENG	_____					SCALE <u>NONE</u>					
USER	_____					UNLESS OTHERWISE STATED ALL DIMENSIONS IN INCHES (MM)					
DE #	_____	1	4-23-107	SGA	8-14-23	DR. JEN 8-14-23					
		ISS.	EDO/DSR NO.	APP'D	DATE	CK. TDH 8-14-23	205 KEITH VALLEY RD HORSHAM, PA 19044-9986	215-674-1234 FAX 215-674-2731	420-0004-640-CD	SHT. 16 OF 20	ISS. 1

EXPLOSIONPROOF TRANSMITTER
ENCLOSURE WITH INTRINSICALLY
SAFE OUTPUT (INTEGRAL PROBE)

HAZARDOUS (CLASSIFIED) AREA

(SENSING ELEMENTS ARE INTRINSICALLY SAFE FOR ALL OF THE RATINGS BELOW)

NON-HAZARDOUS AREA

UNIVERSAL V-CM

FM-US/FM-CANADA

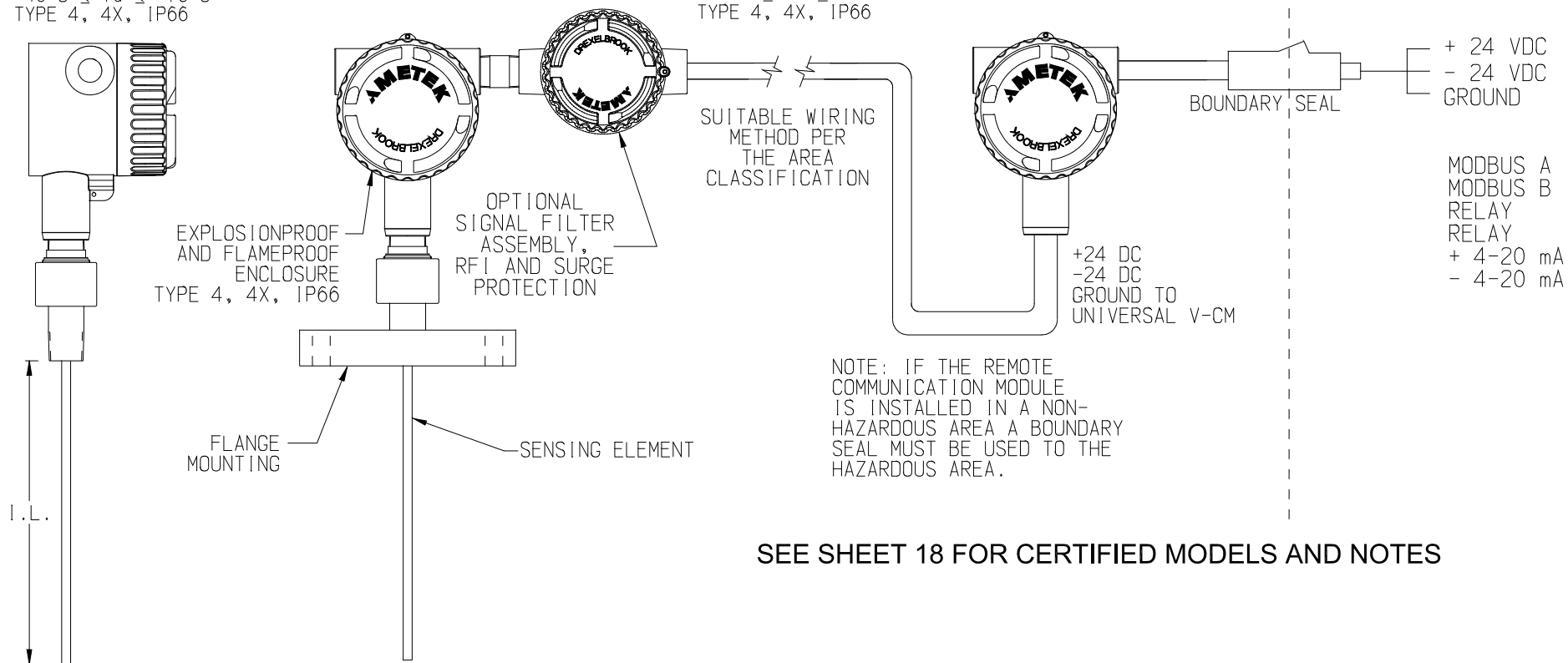
XP-IS Class I, Division 1, Groups C,D T4
Class I, Zone 1, AEx/Ex db ia IIB T4 Gb
DIP-IS Class II, III, Division 1, Groups E,F,G T4
Class I, Division 2, Groups A,B,C,D T4
 $-40^{\circ}\text{C} \leq T_a \leq +75^{\circ}\text{C}$
TYPE 4, 4X, IP66

UNIVERSAL IV REMOTE DENSITY COMMUNICATIONS MODULE

FM-US/FM-CANADA

XP Class I, Division 1, Groups C,D T4
Class I, Zone 1, AEx/Ex db IIB T4 Gb
DIP Class II, III, Division 1, Groups E,F,G T4
Class I, Division 2, Groups A,B,C,D T4
 $-40^{\circ}\text{C} \leq T_a \leq +75^{\circ}\text{C}$
TYPE 4, 4X, IP66

19-30 VDC



SEE SHEET 18 FOR CERTIFIED MODELS AND NOTES

CERTIFIED by _____
PO # _____
ENG _____
USER _____
DE # _____

1	4-23-107	SGA	8-14-23
ISS.	EDO/DSR NO.	APP'D	DATE

COPYRIGHT 2023
AMETEK DREXELBROOK
SCALE NONE
UNLESS OTHERWISE STATED
ALL DIMENSIONS IN INCHES (MM)
DR. JEN 8-14-23
CK. TDH 8-14-23

AMETEK®
DREXELBROOK

205 KEITH VALLEY RD
HORSHAM, PA 19044-9986

215-674-1234
FAX 215-674-2731

FM/FM_c CONTROL DRAWING FOR
UNIVERSAL V (INTEGRAL)
XP INSTALLATION WITH REMOTE
DENSITY COMMUNICATIONS MODULE

420-0004-640-CD

SHT. 17 OF 20
ISS. 1

NOTES FOR PAGE 17:

- 1. THE INSTALLATION SHALL COMPLY WITH THE RELEVANT REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE® (ANSI/NFPA 70) AND THE CANADIAN ELECTRICAL CODE (C22.1) AS APPLICABLE.
- 2. NO REVISION TO DRAWING WITHOUT PRIOR FM APPROVAL.
- 3. UNUSED OPENINGS MUST BE PROPERLY SEALED TO MAINTAIN ENCLOSURE ENVIRONMENTAL AND/OR HAZARDOUS LOCATION RATINGS.
- 4. FOR USE IN AMBIENT TEMPERATURES ABOVE 50°C, INSTALLATION WIRING SHOULD BE RATED TO 90°C OR GREATER.
- 5. A SEAL IS REQUIRED WITHIN 50MM OF THE ENCLOSURE.

CERTIFIED MODELS

VDa109bc00de

- a = FREQUENCY AND PHASING 0, or R*
- b = ENTRIES 0, 2
- c = SURGE/NOISE SUPPRESSION 0, 1
- d = SENSING ELEMENT: 201, 202, 203, 204, 205, 206, 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, 512, S12, S13, S14, S16, S18, S42, S43, S44, S46, S48
- e = 24 CHARACTER NUMBERING SYSTEM THAT DOES NOT AFFECT SAFETY

R* = Retrofit

CERTIFIED	by					COPYRIGHT 2023		FM/FMc CONTROL DRAWING FOR UNIVERSAL V (INTEGRAL) XP INSTALLATION WITH REMOTE DENSITY COMMUNICATIONS MODULE			
PO #						AMETEK DREXELBROOK					
ENG						SCALE NONE					
USER						UNLESS OTHERWISE STATED ALL DIMENSIONS IN INCHES (MM)					
		1	4-23-107	SGA	8-14-23	DR. JEN 8-14-23					
DE #		ISS.	EDO/DSR NO.	APP'D	DATE	CK. TDH 8-14-23	205 KEITH VALLEY RD HORSHAM, PA 19044-9986	215-674-1234 FAX 215-674-2731	420-0004-640-CD	SHT. 18 OF 20	ISS. 1

EXPLOSIONPROOF TRANSMITTER
ENCLOSURE WITH INTRINSICALLY
SAFE OUTPUT (INTEGRAL PROBE)

HAZARDOUS (CLASSIFIED) AREA

(SENSING ELEMENTS ARE INTRINSICALLY SAFE FOR ALL OF THE RATINGS BELOW)

UNIVERSAL V-CM

FM-US/FM-CANADA

XP-IS Class I, Division 1, Groups C,D T4
Class I, Zone 1, AEx/Ex db ia IIB T4 Gb
DIP-IS Class II, III, Division 1, Groups E,F,G T4
Class I, Division 2, Groups A,B,C,D T4
-40°C ≤ Ta ≤ +75°C
TYPE 4, 4X, IP66

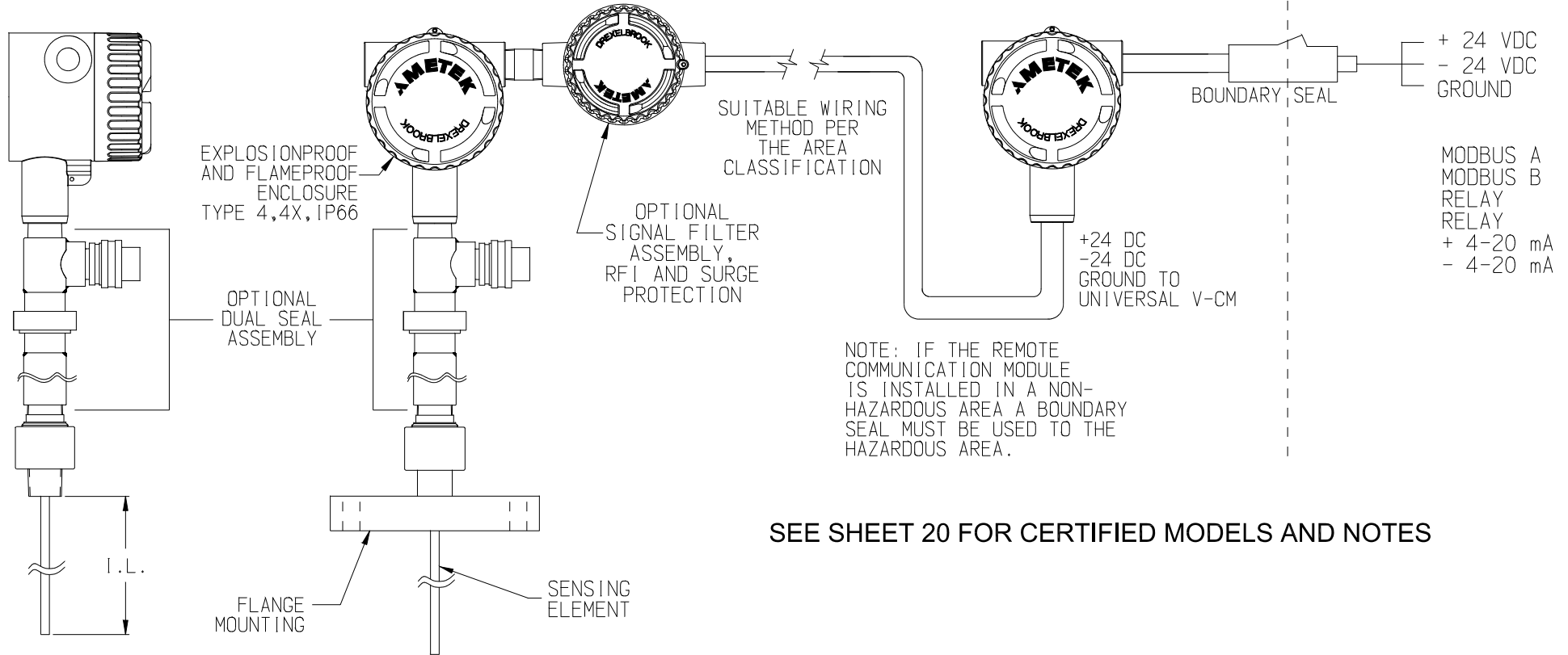
UNIVERSAL IV REMOTE DENSITY COMMUNICATIONS MODULE

FM-US/FM-CANADA

XP Class I, Division 1, Groups C,D T4
Class I, Zone 1, AEx/Ex db IIB T4 Gb
DIP Class II, III, Division 1, Groups E,F,G T4
Class I, Division 2, Groups A,B,C,D T4
-40°C ≤ Ta ≤ +75°C
TYPE 4, 4X, IP66

NON-HAZARDOUS AREA

19-30 VDC



SEE SHEET 20 FOR CERTIFIED MODELS AND NOTES

CERTIFIED _____	by _____					COPYRIGHT 2023		FM/FMc CONTROL DRAWING FOR UNIVERSAL V (INTEGRAL) XP INSTALLATION WITH REMOTE DENSITY COMMUNICATIONS MODULE, DUAL SEAL OPTION		
PO # _____						AMETEK DREXELBROOK				
ENG _____						SCALE NONE				
USER _____						UNLESS OTHERWISE STATED ALL DIMENSIONS IN INCHES (MM)				

_____		1	4-23-107	SGA	8-14-23	DR. JEN 8-14-23				
DE # _____		ISS.	EDO/DSR NO.	APP' D	DATE	CK. TDH 8-14-23	205 KEITH VALLEY RD HORSHAM, PA 19044-9986	215-674-1234 FAX 215-674-2731		
								420-0004-640-CD	SHT. 19 OF 20	ISS. 1

NOTES FOR PAGE 19:

- 1. THE INSTALLATION SHALL COMPLY WITH THE RELEVANT REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE® (ANSI/NFPA 70) AND THE CANADIAN ELECTRICAL CODE (C22.1) AS APPLICABLE.
- 2. NO REVISION TO DRAWING WITHOUT PRIOR FM APPROVAL.
- 3. UNUSED OPENINGS MUST BE PROPERLY SEALED TO MAINTAIN ENCLOSURE ENVIRONMENTAL AND/OR HAZARDOUS LOCATION RATINGS.
- 4. FOR USE IN AMBIENT TEMPERATURES ABOVE 50°C, INSTALLATION WIRING SHOULD BE RATED TO 90°C OR GREATER.
- 5. A SEAL IS REQUIRED WITHIN 50MM OF THE ENCLOSURE.

CERTIFIED MODELS

VDa109bc01de

a = FREQUENCY AND PHASING 0, or R*
b = ENTRIES 0, 2
c = SURGE/NOISE SUPRESSION 0, 1
d = SENSING ELEMENT: 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 201, 202, 203, 204, 205, 206, 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, S02, S03, S04, S06, S08

e = 24 CHARACTER NUMBERING SYSTEM THAT DOES NOT AFFECT SAFETY

R* = Retrofit

CERTIFIED	by					COPYRIGHT 2023		FM/FMc CONTROL DRAWING FOR UNIVERSAL V (INTEGRAL) XP INSTALLATION WITH REMOTE DENSITY COMMUNICATIONS MODULE, DUAL SEAL OPTION			
PO #						AMETEK DREXELBROOK					
ENG						SCALE NONE					
USER						UNLESS OTHERWISE STATED ALL DIMENSIONS IN INCHES (MM)					
		1	4-23-107	SGA	8-14-23	DR. JEN 8-14-23					
DE #		ISS.	EDO/DSR NO.	APP' D	DATE	CK. TDH 8-14-23	205 KEITH VALLEY RD HORSHAM, PA 19044-9986	215-674-1234 FAX 215-674-2731	420-0004-640-CD	SHT.20 OF 20	ISS. 1