

**SPECIFICATIONS:**

**MECHANICAL:**  
 WETTED MATERIALS: 316 STAINLESS STEEL  
 ENCLOSURE: TYPE 360 ALUMINUM; EPOXY POWDER COATED

**ELECTRICAL:**  
 ELECTRICAL CONNECTION:  
 \* TB1: 3 POSITION TERMINAL BLOCK, 22-14 AWG Max  
 \* TB3: 2 POSITION TERMINAL BLOCK, 26-14 AWG Max  
 \* TB2: 4 POSITION TERMINAL BLOCK, 26-14 AWG Max

**SWITCH SPECS (Switch and IAW):**  
 TB1: 4-20mA LOOP OUTPUT, 20-40 VDC@21mA Max.  
 (VOLTAGES ABOVE 25 VDC REQUIRE A SUITABLE SERIES LOAD RESISTOR. SEE I&M FOR DETAILS)  
 \* TB3: IAW OUTPUT, 30 VDC @ 20 mA Max.  
 \* TB2: SWITCH OUTPUTS (2), 0-280 VAC/DC @ 300 mA  
 (DERATE 8% PER 10°C ABOVE 21°C)

**APPROVALS:**

**cULus LISTED**  
 CLASS I, DIVISION 1, GROUPS A, B, C & D;  
 CLASS II, DIVISION 1, GROUPS E, F & G; CLASS III  
 CLASS I, ZONE 1, AEx d IIC T5;  
 Ex d IIC T5;  
 CLASS I, ZONE 2, AEx nA IIC T4;  
 CLASS I, ZONE 2 EX nA IIC T4;  
 -40°C ≤ Tamb ≤ 85°C (-40°F ≤ Tamb ≤ 185°F)  
 ENCLOSURE TYPE 4X; IP66  
 UL File: E226592

**ATEX APPROVED**  
 II 2 G Ex db IIC T5 Gb;  
 II 2 D Ex tb IIIC A21 T+90°C Db;  
 IP66  
 -40°C ≤ Tamb ≤ 85°C (-40°F ≤ Tamb ≤ 185°F)  
 DEMKO 09 ATEX 0813748X

II 3 G Ex nA IIC T4 Gc  
 DEMKO 15 ATEX 1483

**APPROVALS:**

**IECEX APPROVED**  
 Ex db IIC T5 Gb;  
 Ex tb IIIC T+90°C Db;  
 IP66  
 -40°C ≤ Tamb ≤ 85°C (-40°F ≤ Tamb ≤ 185°F)  
 IECEX UL 08.0017X

Ex nA IIC T4 Gc  
 IECEX UL 08.0017X

MODEL TLX	TEMPERATURE RANGE	SHEATH LENGTH	
		INCHES	[cm]
TL1	-40 TO 450°F/ -40 TO 232°C	4"	[10.1]
TL2	-40 TO 450°F/ -40 TO 232°C	6"	[15.2]
TL3	-40 TO 450°F/ -40 TO 232°C	10"	[25.4]

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REV.	ECN#	DESCRIPTION	DATE	DRWN	APPD
C	E5644	"TRANSMITTER" WAS "SWITCH" IN TITLE BLOCK. ADDED " * MODEL 1XTXSW ONLY " TO WIRING DIAGRAM, PG. 2 OF 2.	10-9-15	SR	RAM
B	E5632	DELETED "CLASS 1, ZONE 1" FROM "Ex d IIC T5" IN cULus APPROVAL. ADDED "b" TO "Ex db" IN ATEX AND IECEX APPROVALS	9-21-15	SR	EM
A	E5620	FIRST ISSUE.	9-4-15	RAM	RAM

ORIGINAL DATE	9-4-15
DRWN	RAM
CHKD	SR
APPD	R. McCAREY
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ±1/64	
2 PLACE DEC	3 PLACE DEC
±0.010	±0.005
ANGLES ±1/2°	
DO NOT SCALE THIS DRAWING	

TITLE  
**1XTXSW /  
 1XTX00  
 LOCAL WELDED  
 TEMP.  
 TRANSMITTER**

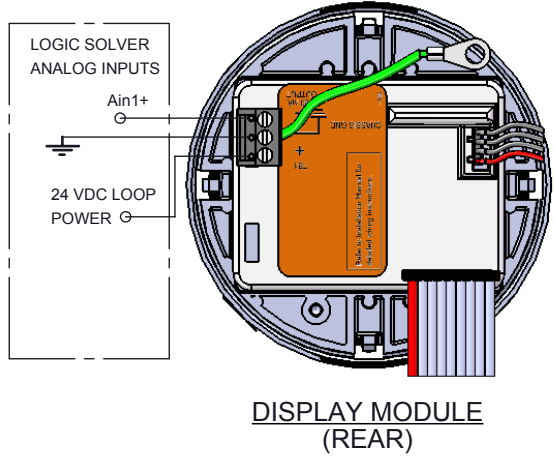
SCALE 1:2.5

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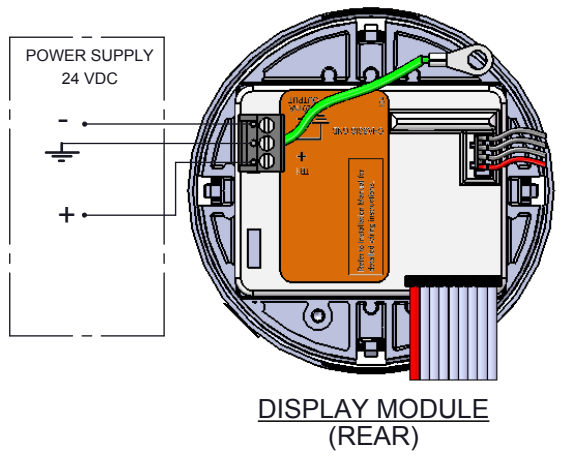
DWG NO Page 1 of 2  
**A-14025**

## POWER OPTIONS

### POWERED BY 4-20mA LOOP(1XTXSW / 1TX00)

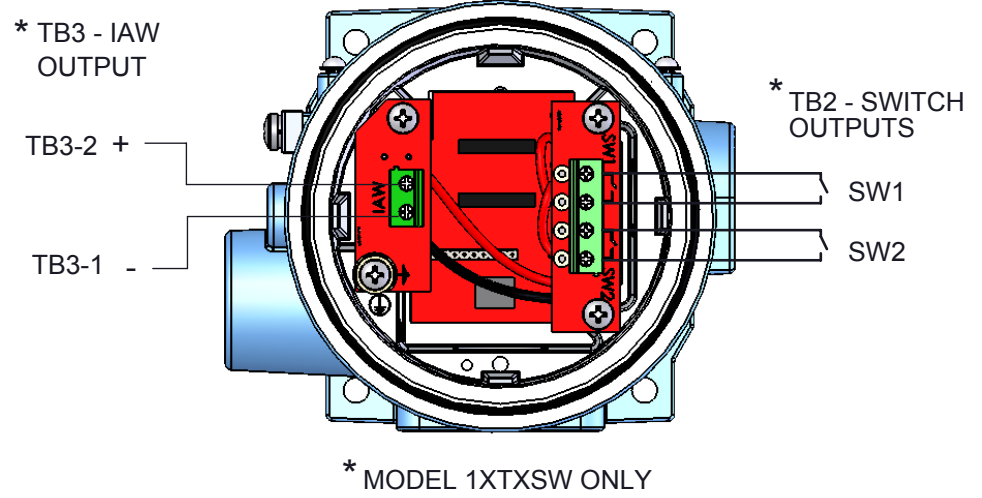
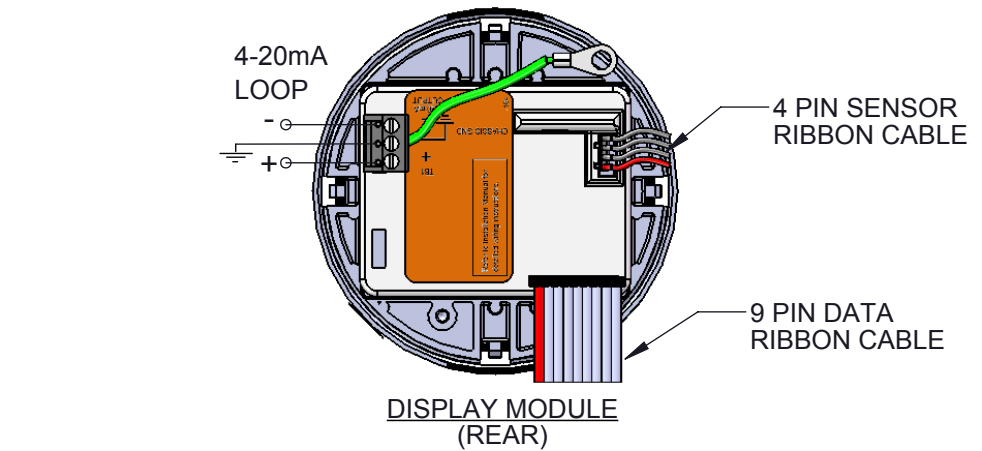


### POWERED BY 24VDC POWER SUPPLY (1XTXSW ONLY)



## WIRING DIAGRAM

A-14025



REV.	ECN#	DESCRIPTION	DATE	DRWN	APPD
C	E5644	SEE PG. 1 OF 2.	10-9-15	SR	RAM
B	E5632	SEE PG. 1 OF 2.	9-21-15	SR	EM
A	E5620	FIRST ISSUE.	9-4-15	RAM	RAM

ORIGINAL DATE	9-4-15	
DRWN	RAM	
CHKD	SR	
APPD	R. McCAREY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
TOLERANCES ON FRACTIONS ±1/64		
2 PLACE DEC	3 PLACE DEC	ANGLES
±0.010	±0.005	±1/2°
DO NOT SCALE THIS DRAWING		

TITLE	1XTXSW / 1TX00 LOCAL WELDED TEMP. TRANSMITTER
SCALE	1:1

**UE**  
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DWG NO Page 2 of 2  
**A-14025**