

NOTES: UNLESS OTHERWISE SPECIFIED

1. DIMENSIONS ARE FOR REFERENCE ONLY.
2. DETECTOR WEIGHT:
- STAINLESS STEEL ENCLOSURE: 7.6 lb [3.4 kg]
3. ENCLOSURE FINISH:
- STAINLESS STEEL PASSIVATED, RED POLYESTER (TGIC) POWDER COAT

FL5000 part no. 10225125

CUSTOMER _____

P.O. NO. _____

MSA NO. _____

LOCATION _____

TAG NO. _____

TOTAL NO. OF UNITS _____

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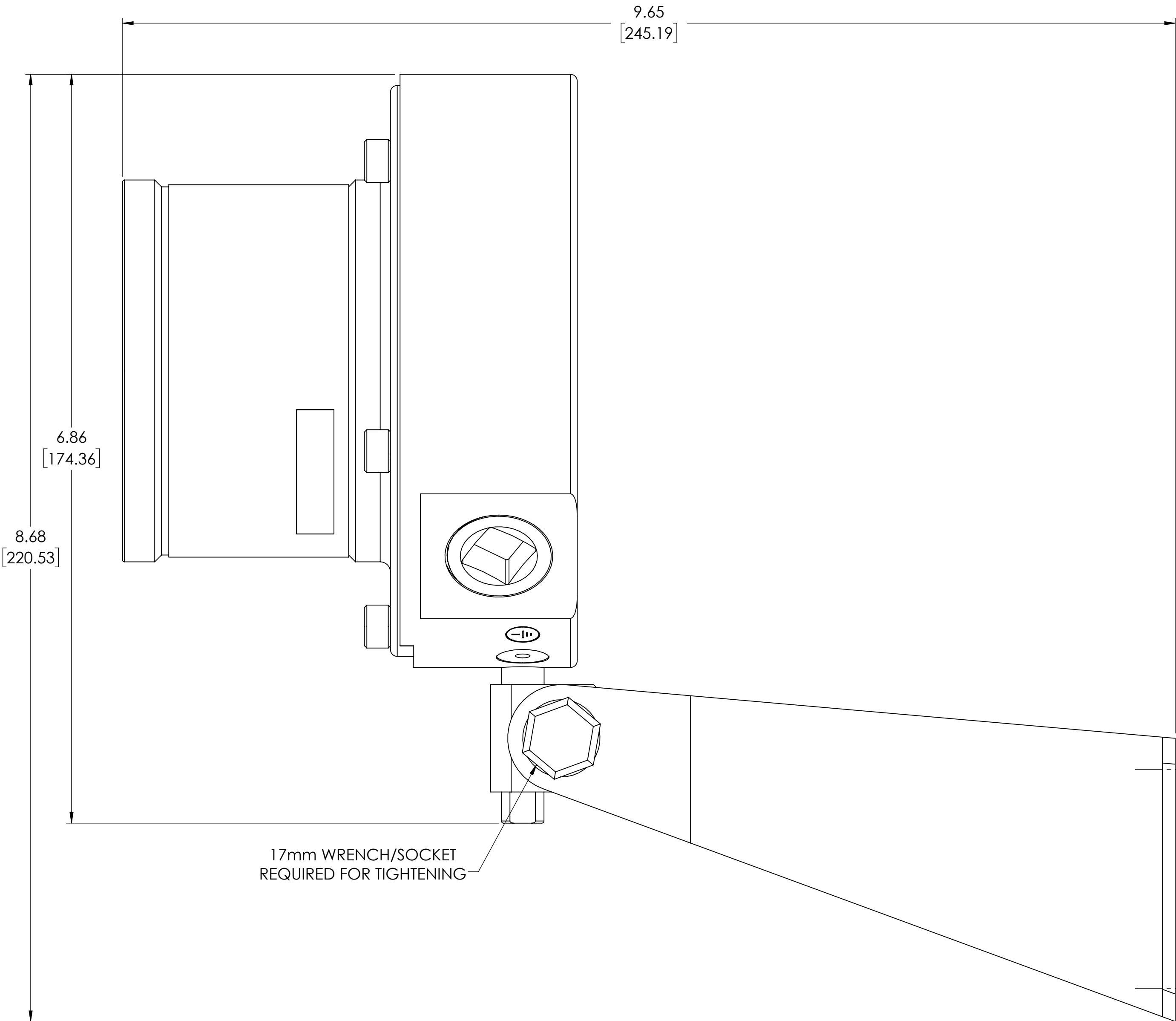
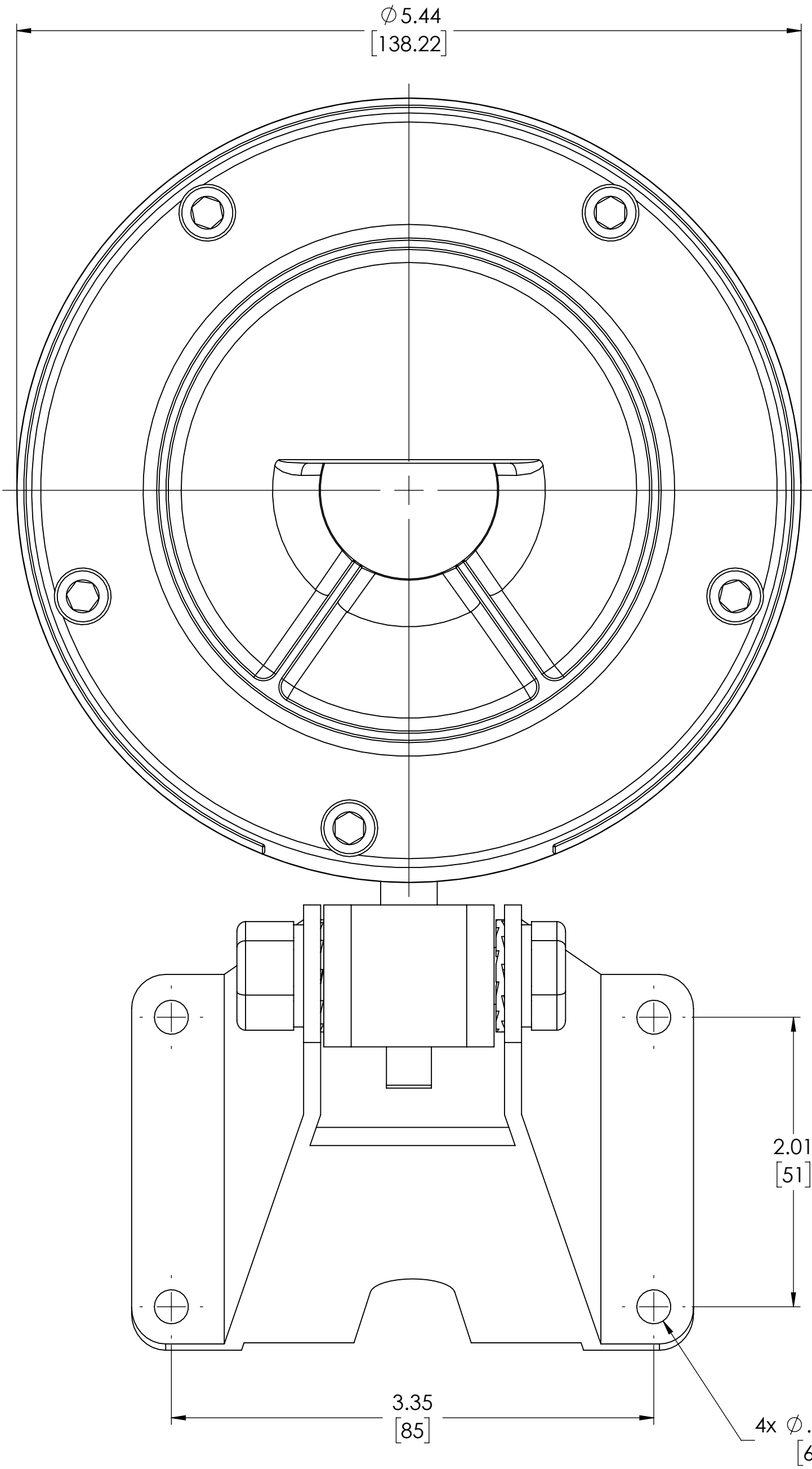
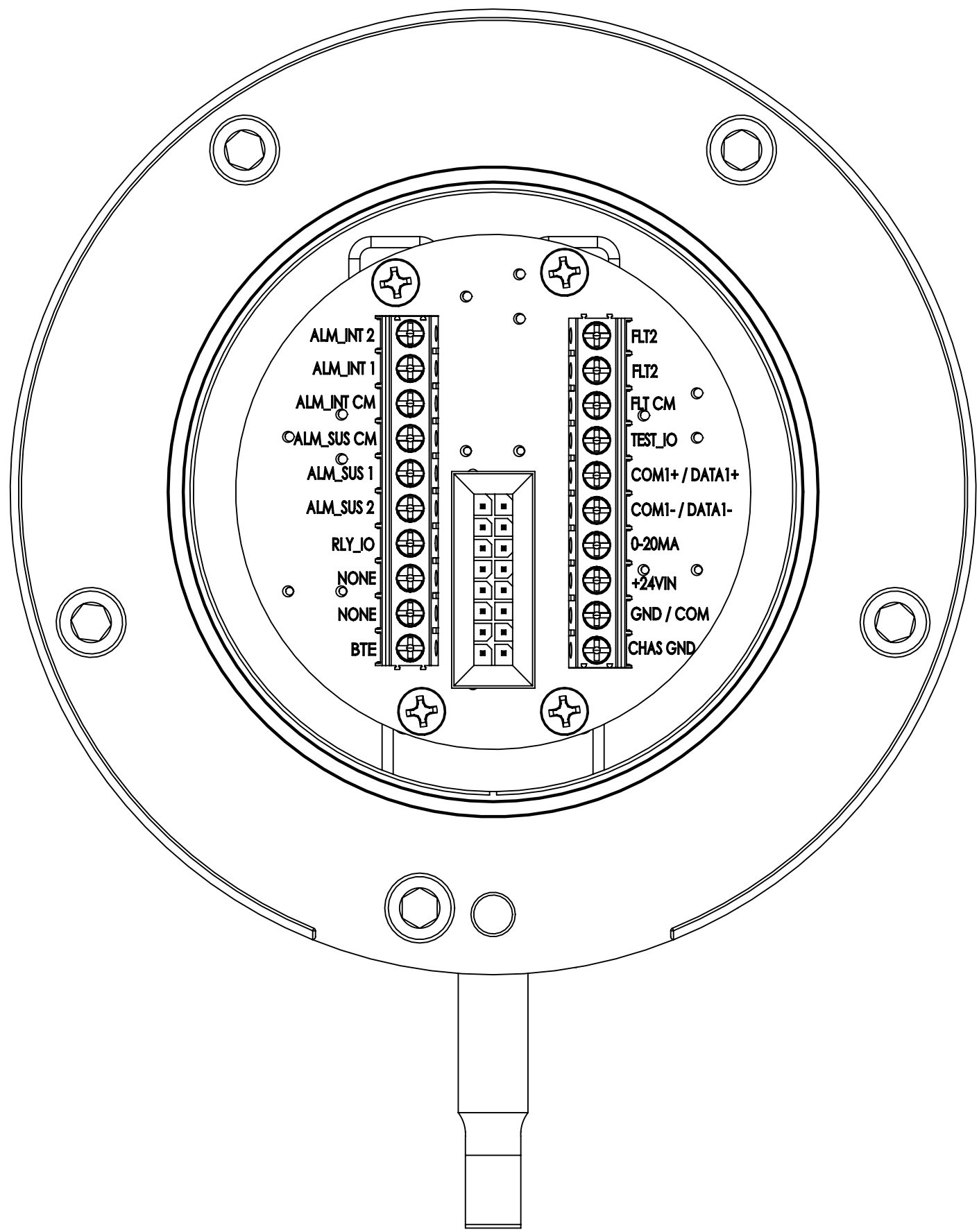
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THIRD-ANGLE PROJECTION

DO NOT SCALE DWG.

MSA STANDARD SHOP PRACTICES APPLY		APPROVAL AGENCY CODE: NIOSH ATTR. DOC.:	
CODE SYMBOLS		JOB NO. 800000061625	
CRITICAL	MINOR (NO MARK)	DRAWN BY WJE	DATE 2-7-2023
MAJOR A		CHECKED BY C.STARTA	8-28-2023
MAJOR B		PROJECT ENGR. B.MOZE	8-28-2023
100 % INSPECTION		QUALITY ASSURANCE E.DAGGETT	8-28-2023
METRIC TOLERANCES UNLESS OTHERWISE SPECIFIED (PER ISO 2768-M)		MANUFACTURING	
0.5 TO 6mm ±0.1		SHEET SIZE	
>6 TO 30mm ±0.2		D	
>30 TO 120mm ±0.3		SK3015-1072	
>120 TO 400mm ±0.5		CADD REF: sk3015-1072	
>400 TO 1000mm ±0.8		SCALE: 1:1	
ANGULAR ±1/2°		SHEET 1 OF 2	
SEE MSA STANDARD SHOP PRACTICES FOR DRILLED HOLE TOLERANCES			

WIRING			
POSITION	P2	POSITION	P1
10	ALM_INT 2	1	FLT 1
9	ALM_INT 1	2	FLT 2
8	ALM_INT CM	3	FLT CM
7	ALM_SUS CM	4	TEST_IO (Test Mode)
6	ALM_SUS 1	5	COM1+/DATA1+
5	ALM_SUS 2	6	COM1-/DATA1-
4	RLY_IO (Relay Reset)	7	0-20mA
3	NONE	8	+24V _{in}
2	NONE	9	GND/COM
1	BTE	10	CHGND/CHASGND (Chassis Ground)



POWER SUPPLY WIRING			
MAXIMUM CABLE LENGTH FOR A +24 VDC POWER SUPPLY (MAXIMUM 12Ω LOOP)			
AWG	mm²	Feet	Meters
10	5.26	6289	1917
12	3.31	3956	1207
16	1.31	1565	478
18	0.823	984	300
20	0.518	620	189

ANALOG OUTPUT WIRING			
4-20mA MAXIMUM WIRE LENGTH FOR INTERFACING WITH 250Ω INPUT IMPEDANCE DEVICES (MAXIMUM 50Ω LOOP)			
AWG	mm²	Feet	Meters
14	2.08	4500	1370
16	1.31	2340	715
18	0.823	1540	470
20	0.518	970	300
22	0.326	670	205

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THIRD-ANGLE PROJECTION

DO NOT SCALE DWG.

MSA STANDARD SHOP PRACTICES APPLY		LIFECYCLE STATE		REVISION	
CODE SYMBOLS		Production		0	
CRITICAL		JOB NO. 800000061625		DATE 2-7-2023	
MAJOR A		DRAWN BY WJE		CHECKED BY C.STARTA	
MAJOR B		100 % INSPECTION		PROJECT ENGR. B.MOZE	
METRIC TOLERANCES UNLESS OTHERWISE SPECIFIED (PER ISO 2768-M)		QUALITY ASSURANCE E.DAGGETT		8-28-2023	
0.5 TO 6 TO >120 TO >400 TO ANGULAR		6mm ±0.1 30mm ±0.2 120mm ±0.3 400mm ±0.5 1000mm ±0.8 ±1/2"		MANUFACTURING	
SEE MSA STANDARD SHOP PRACTICES FOR DRILLED HOLE TOLERANCES		CADD REF: sk3015-1072		SCALE: 1:2	
SHEET SIZE		D		SK3015-1072	
				SHEET 2 OF 2	

INSTALLATION OUTLINE DRAWING, FL5000