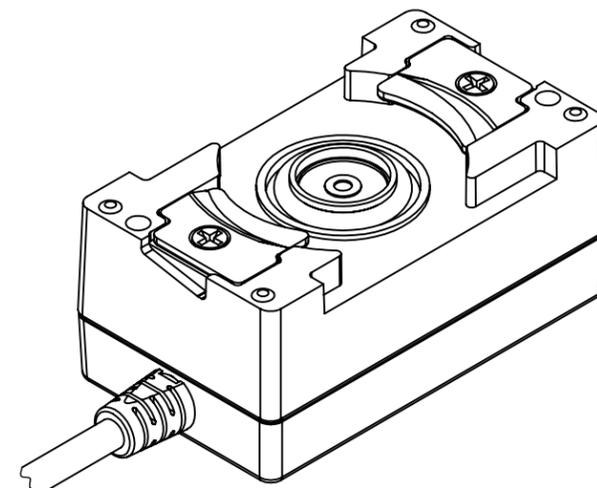
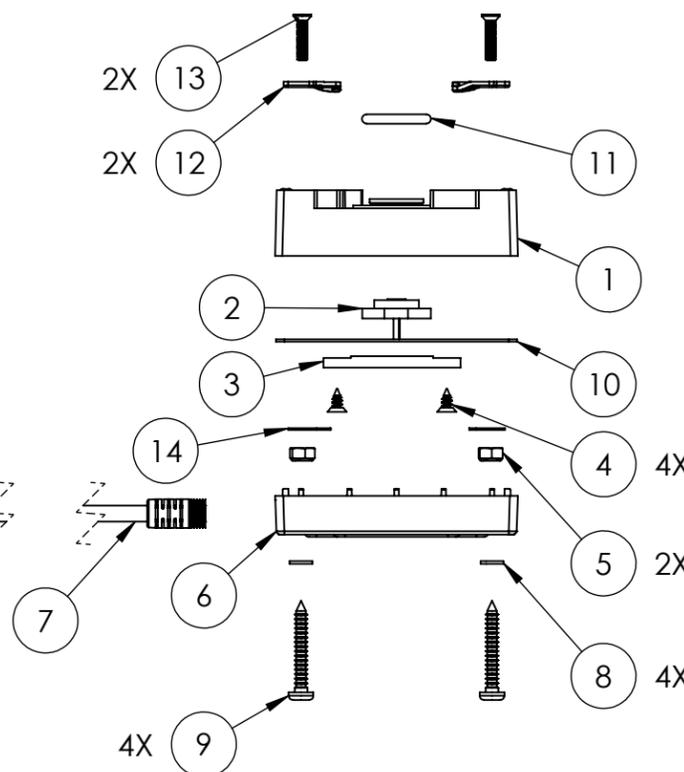
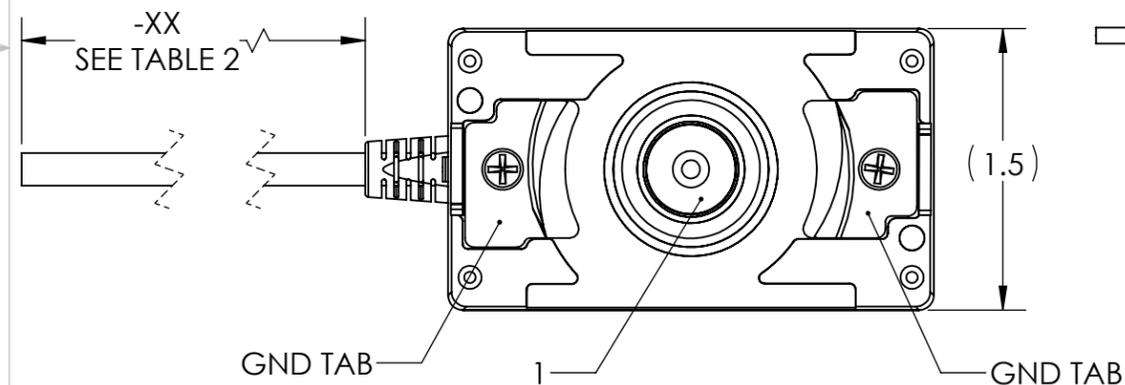
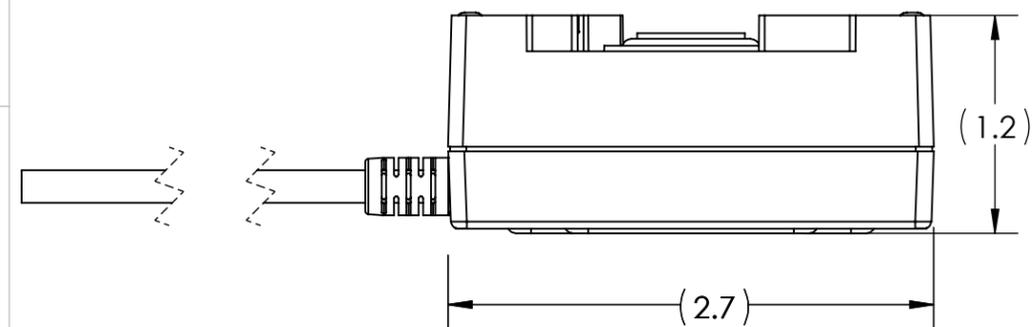


TABLE 1: WIRE RUN LIST	
P1	WIRE COLOR
1	RED
GND*	BLACK
N/C	GREEN
N/C	DRAIN

*GND TABS TIED TOGETHER USING ITEM NO. 14

TABLE 2: WIRE LENGTH CHART		
PART NUMBER	"-XX" DIMENSION (INCHES)	TOLERANCE (INCHES)
CONN-PRC163H-01	12	±1.0
CONN-PRC163H-02	24	±2.0
CONN-PRC163H-03	36	±2.0
CONN-PRC163H-06	72	±2.0
CONN-PRC163H-08	96	±4.0

REVISIONS			
REV.	DESCRIPTION	DATE	ENG
A	INITIAL RELEASE	09/29/2023	CWA
B	UPDATED TABLE 1: WIRE RUN LIST	11/19/2025	CWA



BILL OF MATERIALS			
ITEM NO.	PART NO.	QTY	NAME/DESCRIPTION
1	SN-PRC163-CONN	1	CONNECTOR HOUSING
2	SN-PRC163-CIRC-ASSY	1	CIRCULAR CONTACT ASSEMBLY, INCLUDES PINS AND O-RING
3	SN-PRC-163-3	1	INSULATOR PLATE
4	90198A100	4	#4 X 1/4 IN. FLT. HD. SCREW
5	91831A005	2	18-8 SS NYLON-INSERT LOCKNUT, 4-40 THREAD
6	SN-PRC-163-4.1	1	DEEP COVER WITH M8 THREADED EXIT
7	SN-359-T3	1	AWG 20, 3C CABLE WITH M8 THREADED SR
8	SN-PRC-163-6	4	SCREW SEALS
9	90935A153	4	#6 X 1.0 IN. PAN HD, BLK OX SCREW
10	SN-PRC-163-5	1	ADHESIVE LINED SEALING GASKET
11	9452K25	1	O-RING, MATING FACE SEAL, BUNA-N RUBBER
12	STEEL-TAB-163	1	STAINLESS STEEL GROUND TABS
13	91099A167	2	4-40 X 1/2 IN. FLT HD. SCREW
14	PRC-163-4	1	AWG 20 JUMPER WIRE, WITH RING TERMINALS

- NOTES:
1. WIRING SHALL BE DONE IN ACCORDANCE WITH TABLE 1 WIRE RUN LIST.
 2. TIGHTEN REAR SCREWS (ITEM NO. 9) TO 5 IN/LBS.
 3. TIGHTEN GND TAB SCREWS (ITEM NO.13) TO 5.5 IN/LBS.
 4. TIGHTEN RETAINING SCREWS (ITEM NO. 4) TO 5.5 IN/LBS.
 5. COVER ALL SOLDER JOINTS WITH ADHESIVE LINED HEAT SHRINK TUBING, THEN COVER WITH RTV. NO CONTACTS SHALL BE VISIBLE AFTER APPLICATION OF RTV.
 6. PACKAGING REQUIREMENTS:
 - A. EACH COMPLETED ASSEMBLY SHALL BE PACKAGED IN A ZIP POLYBAG.
 - B. CONNECTOR(S) SHALL BE PACKAGED TO PREVENT DAMAGE DURING SHIPPING. BUBBLE WRAP OR PROTECTIVE COVER MUST BE USED.
 - C. POLYBAG SHALL BE MARKED WITH SUPPLYNET LOGO, PRODUCT QR CODE, PART NUMBER, CAGE CODE, AND LOT NO, PER SN-STD-LBL REQUIREMENTS.
 7. WORKMANSHIP REQUIREMENTS:
 - A. MANUFACTURE TO IAW/WHMA A-620 CLASS 2 REQUIREMENTS.
 - B. SOLDERING SHALL BE COMPLIANT WITH IAW J-STD-001 AS APPLICABLE.
 - C. CONNECTOR(S) AND WIRE SHALL BE FREE FROM ANY SCRATCHES, CHIPS, AND DEFECTS.
 8. INSPECTION REQUIREMENTS:
 - A. EACH COMPLETED ASSEMBLY TO BE 100% TESTED FOR SHORTS, CONTINUITY, AND JACKET RESISTANCE (250V @100MOHM MIN.)
 - B. INSPECT TO IPC/WHMA A-620 CLASS 2 REQUIREMENTS.

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN: INCHES
 TOLERANCES: .XX: ± 0.03
 .XXX: ± 0.005
 ANGULAR: .X°: 1°
 .XX°: 0.5°
 BREAK EDGES: .005 - .020
 FILLETS: .005 - .020
 SURFACE FINISH:
 GEOMETRIC TOLERANCING PER: ASME Y14.5 -2009
 MATERIAL: SEE DRAWING NOTES
 FINISH: SEE DRAWING NOTES
 DO NOT SCALE DRAWING

NAME: CWA
 DATE: 9/29/2023
 DRAWN: CWA
 CHECKED: MOB
 COMMENTS:
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REF. NUMBER: SN1074

SupplyNet DESIGN ENGINEERING MANUFACTURING

TITLE: **PRC-163 UNREGULATED 12VDC BATTERY ELIMINATOR**

SIZE: **B** DWG. NO.: **CONN-PRC163H-XX** REV: **B**

CAGE CODE: 1HJX9 SCALE: NA WEIGHT: SHEET 1 OF 1