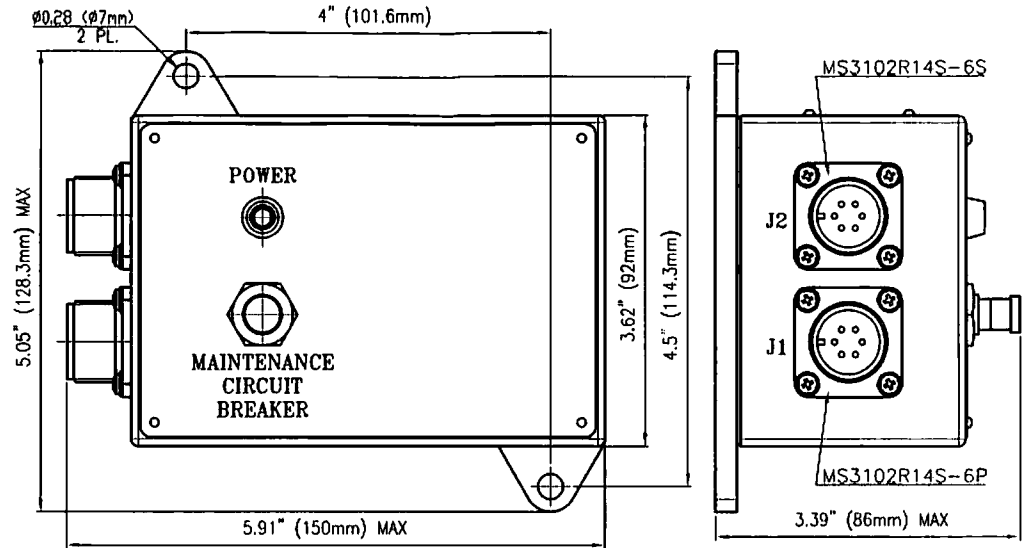


NOTES :

- 1.0 PERFORMANCE REQUIREMENTS :
- 1.1 INPUT POWER 18-32VDC
- 1.2 THE POWER BACK UP BOX. INCLUDES CAPACITORS THAT ENABLE TO SUPPLY POWER OF ABOUT 150mA TO THE SYSTEM FOR AT LEAST 2 MINUTES, FOLLOWING POWER INTERRUPTION DUE TO COMBAT EVENT OR TECHNICAL MALFUNCTION.
- 1.3 IN ADDITION, THIS BOX INCLUDES A DIRECT ELECTRICAL CONNECTION FROM THE VEHICLE BATTERIES, IN ORDER TO KEEP THE SYSTEM ACTIVE AND OPERABLE FOR ONE HOUR, AFTER THE VEHICLE MAIN POWER SWITCH HAS BEEN TURNED OFF.
- 2.0 ENVIROMENTAL REQUIREMENTS : THE POWER BACK UP BOX SHALL PERFORM AS SPECIFIED IN NOTE 1 DURING AND AFTER SUBJECTED TO THE FOLLOWING ENVIROMENTAL TESTS.
- 2.1 OPERATING TEMPERATURE -40°F TO +160°F
STORAGE TEMPERATURE -67°F TO +160°F
- 2.2 ENVIRONMENTAL TESTS
HIGH TEMPERATURE : MIL-STD-810E, METHOD 501.3
LOW TEMPERATURE : MIL-STD-810E, METHOD 502.3 PROCEDURE I & II.
HUMIDITY : MIL-STD-810E, METHOD 507.3, PROCEDURE III.
VIBRATION : MIL-STD-810E, METHOD 514.4, TEST PROCEDURE I.
SHOCK : MIL-STD-810E, METHOD 516.4, PROCEDURE I.
WATERPROOFNESS : IP66
DUST : MIL-STD-810E, METHOD 512.3, PROCEDURE I.
SALT FOG : MIL-STD-810E, METHOD 509.3, PROCEDURE I.
- 2.3 EMI : MIL-STD-461E METHOD RS 102 AND RS 103 (14 KHZ TO 10GHZ)
- 3.0 ELECTRICAL COMPLIANCE TESTS
THE ASSEMBLY SHALL NOT FALSE TRIGGER WHEN SUBJECTED TO NORMAL AND ABNORMAL TRANSIENTS SPECIFIED IN MIL-STD-1275A AND SHALL OPERATE NORMALLY IMMEDIATELY AFTER TRANSIENT CONDITIONS.
4. SHIELDING REQUIREMENTS:
THE INTERFACE CONNECTOR SHALL BE ELECTRICALLY CONDUCTIVE AND CONNECTED ELECTRICALLY TO THE MOUNTING FLANGE. RESISTANCE BETWEEN THE CONNECTOR SHELL AND HOUSING MOUNTING FLANGE SHALL BE 2.5 MILLIONNS MAXIMUM.



PIN OUT

- J1 - MS 3102R 14S-6P
 A - INPUT VOLTAGE 18-32VDC
 B - RTN
 C - INPUT VOLTAGE 18-32VDC FROM BATTERY
 D - RTN
- J2 - MS 3102R 14S-6S
 A - OUTPUT VOLTAGE 18-32VDC
 B - RTN
 C - OUTPUT VOLTAGE 18-32VDC FOR TEST EQUIPMENT
 D - RTN

WEIGHT -2Lb (0.9Kg)

| C | | 17.03.09 | | | | | | | |
|------------|-------------|-----------|----------|----------------------|----------------------------------|------------------------------------|----------|-------------|--|
| B | | 25.11.08 | | | | | | | |
| A | | 28.04.08 | | | | | | | |
| REV | DESCRIPTION | DATE | APPROVAL | ITEM | QTY | PART NO. | CAT. NO. | DESCRIPTION | |
| REVISIONS | | | | | | PARTS LIST | | | |
| TOLERANCES | | SCALE 1:1 | | DIMENSIONS ARE IN MM | | SPECTREX INC. POWER BACKUP UNIT | | | |
| MM / | DEGREES / | FINISHED | VIDA | 13.12.07 | SURFACE TEXTURE AS PER ANST-9463 | | | | |
| MATERIAL | | DRAWN | | CHECKED | | SITE C OL-765740 | | | |
| | | MILA | | 13.12.07 | | | | | |
| | | SUBMITTED | | APPROVED | | DETT 1 OF 1 | | | |
| NEXT ASSY | | | | | | | | | |