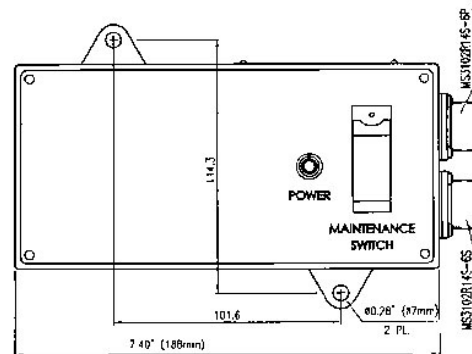


The Spectrex Power Back-up Box is the latest model being installed in military tactical vehicles.

The unit provides power back-up for the fire protection system during or after power failure, maintaining this essential system operative.

The unit enables continued power of the AFES from the battery for 1 hour after vehicle power shut-down. In emergency situations of total power breakdown (no battery) the unit provides power of about 150mA to the system for at least 10 minutes.



The unit includes a maintenance switch that enables shut off of power supply to the system for maintenance purposes.

MAIN FEATURES

- * One (1) hour power supply after vehicle main power shut-down.
- * Power back-up in emergency situations
- * High Reliability
- * MTBF Minimum 100,000 Hours

CONTROL SPECIFICATIONS

Supply Power	150mA for at least 10 minutes following power interruption.
Direct Electrical Connection	Direct electrical connection to vehicle batteries, in order to keep system operable for 1 hour after main vehicle power switch was turned off and to keep back-up battery charged during this period.
Operating Temperature	-40°F (-40°C) to 160°F (71°C)

ELECTRICAL SPECIFICATIONS

Operating Voltage	18-32 VDC																				
Power consumption	Normal 20mA after fully charged. Max. 500mA for 80 min. (charging time)																				
Electrical Connection / Pinout	<table border="0"> <tr> <td>Connector J1</td> <td>MS 3102R 14S-6S</td> </tr> <tr> <td>Output Voltage 18-32 VDC</td> <td>A</td> </tr> <tr> <td>RTN</td> <td>B</td> </tr> <tr> <td>Output Voltage 18-32 VDC for Test Equipment</td> <td>C</td> </tr> <tr> <td>RTN</td> <td>D</td> </tr> <tr> <td>Connector J2</td> <td>MS 310R 14S-6P</td> </tr> <tr> <td>Output Voltage 18-32 VDC</td> <td>A</td> </tr> <tr> <td>RTN</td> <td>B</td> </tr> <tr> <td>Output Voltage 18-32 VDC for Test Equipment</td> <td>C</td> </tr> <tr> <td>RTN</td> <td>D</td> </tr> </table>	Connector J1	MS 3102R 14S-6S	Output Voltage 18-32 VDC	A	RTN	B	Output Voltage 18-32 VDC for Test Equipment	C	RTN	D	Connector J2	MS 310R 14S-6P	Output Voltage 18-32 VDC	A	RTN	B	Output Voltage 18-32 VDC for Test Equipment	C	RTN	D
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Output Voltage 18-32 VDC	A																				
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RTN	D																				
Electrical Input Protection	According to MIL-STD-1275A																				
Electromagnetic Compatibility	EMI/RFI per MIL-STD-461E																				

MECHANICAL SPECIFICATIONS

Dimensions	5.91" x 4.5" x 3.39" (150mm x 114.3mm x 86mm)
Weight	2 lb (0.9kg)
Enclosure	Aluminum, white epoxy enamel finish
Environmental Standards	Meets MIL-STD-810E for High Temp, Low Temp, Humidity, Vibration, Shock, Waterproof, Dust, Salt & Fog