

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 2 minutes.



The unit includes a maintenance circuit breaker 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 2 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 15mA after fully charged. Max. 500mA for 30 min. (charging time)
Electrical Connection / Pinout	Connector J1 MS 3102R 14S-6S
	Output Voltage 18-32 VDC A
	RTN B
	Output Voltage 18-32 VDC C
	for Test Equipment
	RTN D
	Connector J2 MS 310R 14S-6P
	Output Voltage 18-32 VDC A
	RTN B
	Output Voltage 18-32 VDC C
	for Test Equipment
	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