

AC to DC Backup Power Supply M-2027



- Maintains the M-2001C/D or M-6200 energized during power outages to maintain the continuity of the communications loop
- Accepts power input from station auxiliary supply over a range of 105 Vac to 140 Vac (50 or 60 Hz)
- Fuse protected and transient suppressed, input and output
- Substation hardened -40° C to +85° C
- Conformal coated
- Includes 6 foot output cable and adapters for M-2001C/D and M-6200 controls

Input

105 Vac to 140 Vac at 50Hz/60Hz
Burden of less than 2 VA
Fuse protected (1.5 A)
Transient protected

Output

+12 Vdc nominal @ 1 amp
Fuse protected (1.5 A)
Transient protected

Transient Protection

Surge Withstand Capability:

IEEE C37.90.0-2002: 2500 V pk-pk oscillatory, 4000 V pk fast transient burst
IEEE C37.90.0-2002: 2500 V pk-pk oscillatory, 5000 V pk fast transient burst

High Voltage: All M-2027 input and output terminals will withstand 1500 Vac RMS to chassis or instrument ground for one minute with a leakage current not to exceed 25 mA, for all terminals to ground. Input and output circuits are electrically isolated from each other, from other circuits and from grounds.

Radiated Electromagnetic Withstand Capability: All units are protected against electromagnetic radiated interference from portable communications transceivers.

Environmental

Temperature range: -40° C to +85° C

Humidity: Operational to a maximum of 95% relative humidity.

Fungus resistance: A conformal coating is used on the printed circuit board coating inhibit fungus growth.

Physical

Size: 7.32" long x 4.10" wide x 2.40" high (18.6 cm x 10.2 cm x 6.1 cm)

Approximate Weight: 2.0 lbs (.91kg)

Warranty

The M-2027 is covered by a five year warranty from date of shipment.

TRADEMARKS

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Specification subject to change without notice. Beckwith Electric has approved only the English version of this document.

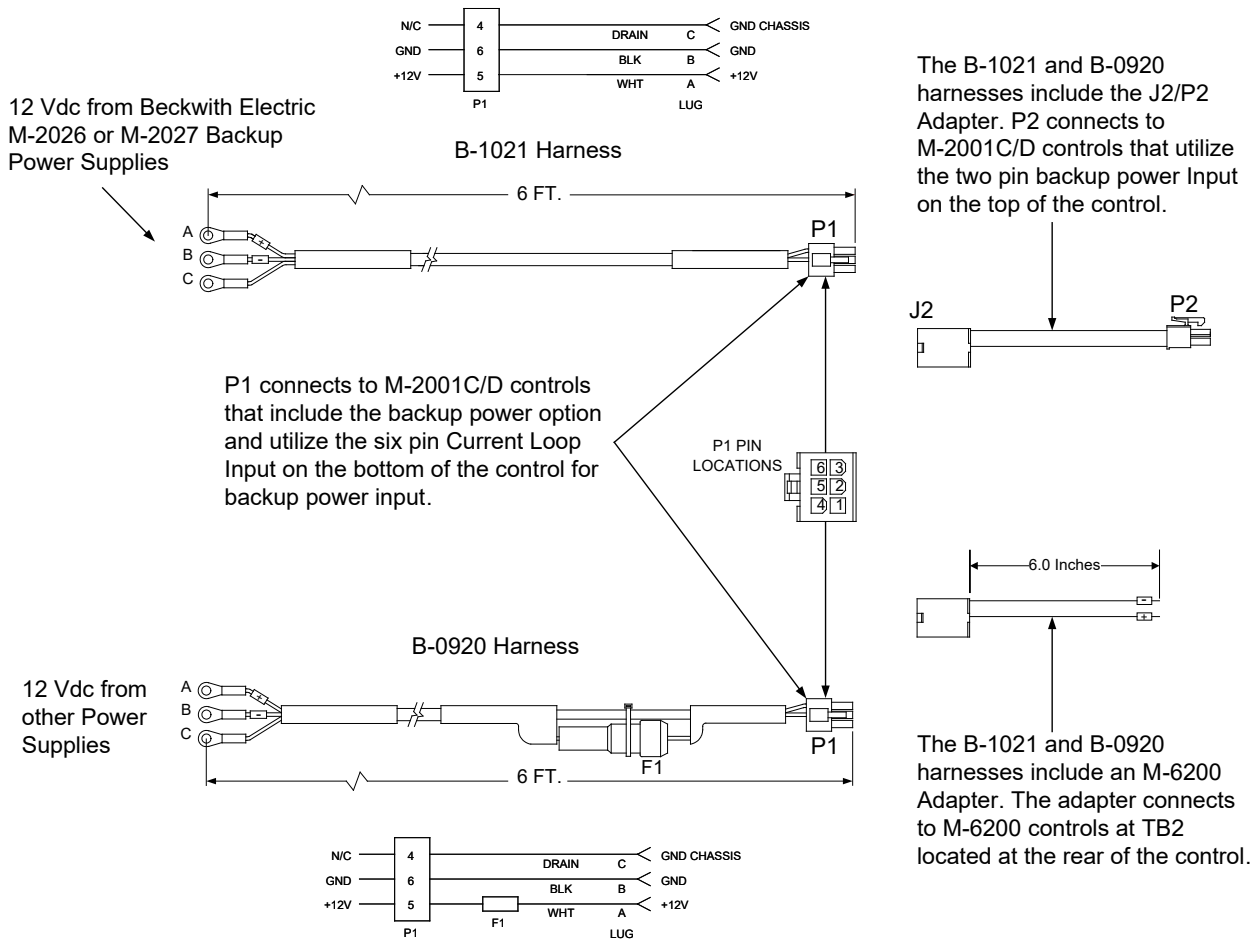


Figure 1 Output Cable and Adapters



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