

AS0096800

POWER SUPPLY

ASSEMBLY & OPERATING INSTRUCTIONS



Document No. PD0050700D

Arbiter Systems, Inc.
1324 Vendels Circle, Suite 121
Paso Robles, CA 93446 U.S.A.
(805) 237-3831, (800) 321-3831
<http://www.arbiter.com>
[mailto: techsupport@arbiter.com](mailto:techsupport@arbiter.com)

General Description

The AS0096800 power supply accepts a wide range of AC and DC input voltages (see Specifications) and provides a steady 12 VDC at the output terminals. This product may come with product specific output cabling depending on the connected device. The power supply is threaded for mounting, or can be mounted by optional DIN rail adapter (P/N AS0106600). Input and output voltages connect to the power converter via a terminal block.

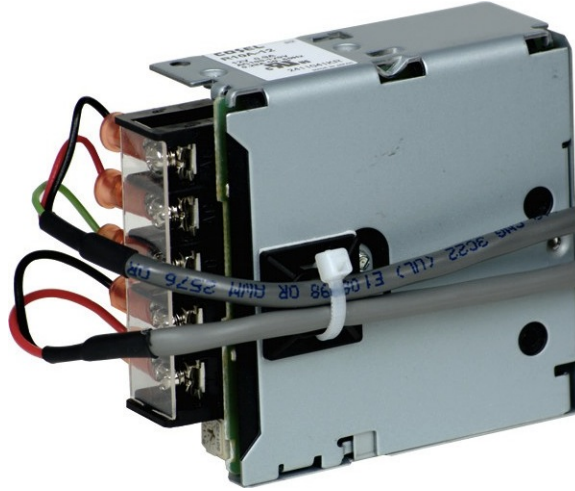
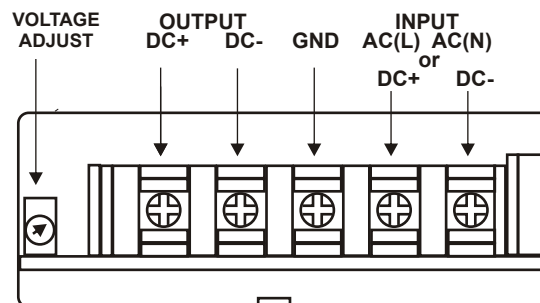


Figure 1: Example of Wired Power Supply

Assembly

The following instructions cover the assembly and operation of the AS0096800 power supply. Input and output wiring connect to terminals that are spaced at 9.5 millimeter centers and use M3 screws.

1. If required, attach the AS0096800 supply to a DIN rail mount (P/N AS0106600). See PD0055000 for information on the DIN rail mount for the AS0096800.
2. Remove clear plastic terminal shield prior to connecting input/output wiring. Gently pull clear shield outward to remove.
3. Connect the input and output wires to the supply terminals as shown in the figure below.
4. Replace clear plastic shield to original position.
5. Run both (input and output) cables to the tie down on the side of the supply and secure them with the tie wrap, as seen in Figure 1.



Specifications

Dimensions:	31 mm x 78 mm x 68 mm (WxHxD)
Weight:	150 grams
Input/output terminals:	9.5 mm spacing, use M3 screw
Input voltage Range:	85 VAC to 264 VAC, 110 VDC to 370 VDC
Output current (min./max.):	0.9 A
Output power (max):	10.8 Watts
Ripple (max.):	120 mVp-p
Noise (max.):	150 mVp-p
Efficiency:	75%, Typical
Temperature, operating:	-10 °C to +71 °C
Temperature, storage:	-20 °C to +75 °C
Storage humidity:	90% RH, non-condensing
Agency Approvals:	
UL and EN:	UL60950-1, C-UL(CSA60950-1), EN60950-1, EN50178 Complies with DEN-AN
FCC:	Part15 classB, VCCI-B, CISPR22-B, EN55011-B, EN55022-B
IEC:	IEC61000-3-2 (Not built in to active filter – when two or more units are used they may not comply with the harmonic attenuator.)