4|copian

Alcopian

UNREGULATED POWER SUPPLIES

INSTALLATION AND OPERATION

GOLD BOX MODELS: Threaded holes on the bottom and one side surface (no side mounting holes on case size YH11) may be used for mounting. The supply may also be rear mounted (except for case size YA) using the same holes that attach the rear cover plate. An accessory Mounting Kit (model GB8) is available to enable mounting the power supply when the opposite side of the mounting surface is inaccessible.

PLUG-IN MODELS: Plugs into standard 8-pin octal socket (order accessory socket SL608). Four 6-32 mounting holes (on case sizes G and K) or four 10-32 mounting studs (on case sizes Q and P) are provided in the base for fastening the module when used in other than the upright position, or if extreme vibration will be encountered.

Even a relatively small amount of air flowing around and through a power supply will significantly reduce the rise in its temperature resulting from operation, and therefore the temperature of the critical components within it, improving both reliability and stability. Avoid blocking air flow through vented/perforated surfaces. If the perforated bottom of a supply is mounted to a solid surface, use spacers at least 3/16" thick between it and the surface to which it is fastened, to permit convection air flow, or punch ventilation holes in the mounting surface. Allow free air to circulate around heat sinks. Space at least one inch away from surrounding objects.

Make all connections before applying AC input power. DC output voltage is proportionate to AC input voltage.

Two or more of the same model may be connected in parallel.

Two or more of the same or different models may be connected in series to obtain a higher voltage up to 1000 Vdc, provided that a reverse-biased diode is used across each output; however, the output current to be drawn cannot exceed the output current rating of the lowest rated supply used.

Frequent fuse failure is symptomatic of power supply overload, a short circuited output, or power supply failure. Do not overfuse; this can result in damage to the power supply.

If the AC input power contains large voltage spikes ('noise') induced by the switching of high currents, inductive loads, electromechanical components, etc., the input power leads to the supply should include some means of transient suppression.

GOLD BOX MODELS:

→ Q

Otherwise, a portion of the noise may be coupled through the supply to the load. Also, the supply could be damaged. The means of suppression that is easiest to install is a 1 mfd. capacitor or a metal oxide surge suppressor (MOV) across the AC input terminals of the supply. In extremely severe cases, the use of RF chokes in series with each side of the line may also be required.



The complete Acopian catalog is available on the Internet at www.acopian.com 131 Loomis Street, Easton, PA 18045 • Phone: (610) 258-5441 • FAX: (610) 258-2842 AC AC 🕀

୶ୗଡ଼ଡ଼ଡ଼ଡ଼ଡ଼ଡ଼୕