

**OPERATING INSTRUCTIONS FOR
MINI ENCAPSULATED
Linear Power Supplies with touch safe terminal blocks**

INPUT VOLTAGE: 105-125 VAC, 47-63 Hz.

INPUT OPTIONS: -230: 207-253 VAC, 47-63 Hz.
-208: 188-228 VAC, 47-63 Hz.
-100: 90-110 VAC, 47-63 Hz.
-24: 22-26 VAC, 47-63 Hz.

OUTPUT VOLTAGE ADJUSTMENT (Trim): Output is factory set to within $\pm 2\%$ of the nominal output voltage rating for 3.3v to 12v models and $\pm 1\%$ for 15v to 48v models. If necessary, these power supplies can be more precisely calibrated to the nominal value by the use of an external trim resistor connected between the 'T/C' terminal and one of the output terminals. Connecting the resistor from the 'T/C' terminal to the (+)output terminal decreases voltage, and connecting to the (-)output terminal increases it. Begin trimming with approximately 1 megohm resistance, and decrease resistance until calibration is attained. Do not use a resistance value of less than 20K. Trimming the output to a voltage other than the nominal rating may adversely affect performance and may result in damaging the supply.

SHORT CIRCUIT PROTECTION: All Acopian Mini Encapsulated power supplies are of rugged construction and designed to withstand substantial overloads or short circuits for reasonable lengths of time. Prolonged operation under overloaded or shorted conditions is not recommended.

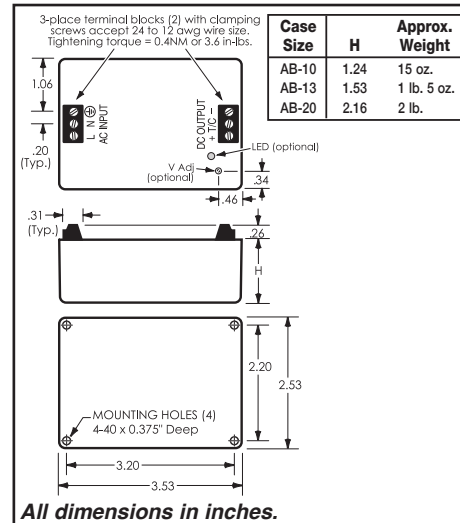
TRANSIENT INFORMATION: If the AC input power contains large voltage spikes ('noise') induced by the switching of high currents, inductive loads, electro-mechanical components, etc., the input power leads to the supply should include some means of transient suppression. Otherwise, a portion of the noise 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.

INSTALLATION: 4-40 threaded holes are provided for mounting. Holes in the mounting surface must be in alignment with the power supply mounting holes and mounting screws should not be tightened excessively; otherwise the resultant stress may damage the case.

NOTE: Units are internally fused to provide protection from risk of fire.

**UL508 FILE: E306586
UL60950 FILE: E208800**

CASE DRAWING:



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Phone (610) 258-5441 • Fax: (610) 258-2842
131 Loomis Street, Easton, PA 18045

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