

12 VDC NEON POWER SUPPLY, MODEL 6000/12



TECH 22

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(Unit shown in actual size)

POWER REQUIREMENTS

Voltage : 10.5 to 15 Volts DC
Current : 6 Amps (max. input and load)

INPUT CONNECTIONS

(+) Red lead, approx. 14 in. long
(-) Black lead, approx. 14 in. long

BRIGHTNESS CONTROL

Voltage applied to the orange wire controls the neon tube brightness.

Minimum brightness : 0.1 Volts
Maximum brightness : 6.0 Volts
Control current : less than 50 microamps
Absolute max. control voltage : 15 Volts

When this function is not used, the orange wire should be connected to the red wire (power).

OUTPUT CHARACTERISTICS

Output is isolated from input for maximum flexibility of application. Shorted output supplies the rated current.

Voltage: 6000 V ac max. (actual voltage is dependent on load and will be equal to or lower than this value).
Current : 30 mA (12 V input, shorted output).

Electronic feature automatically turns output off when it detects open output, broken tube or excess load, but special circuit attempts to reset the output up to three times in 10 seconds. To reset, switch power off, correct the fault, then switch power back on.

OUTPUT CONNECTIONS

GTO-10 leads


DIMENSIONS

2.50 x 2.00 x 1.00 inches (plus the bracket)

MOUNTING

Unit is mounted with two 8-32 screws

FOOTAGE

	8 mm	9 mm	10 mm	12 mm	15 mm
NEON	8 ft	9 ft	11 ft	16 ft	17 ft
ARGON	10 ft	12 ft	14 ft	19 ft	23 ft

Maximum footage is shown, no minimum limit exist. Footage includes one pair of electrodes. Deduct 1 foot only for each additional pair.

WARNING

This device produces high voltage at high frequency and can create potential danger if not applied and installed properly.