

NEON POWER SUPPLY

MODEL Gen3-5K30

TECH 22
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POWER REQUIREMENTS

Voltage : 120 VAC, 50/60 Hz
Current : 0.75 A max (depends on load)
Power : 90 W max (depends on load)

INPUT CONNECTIONS

Two AWG 18 leads, 12 inches long,
or power cord, 8 ft long, black or white.

CONTROL (OPTIONAL)

Red (+) and brown (-) wires can be
connected to an electronic controller to
modulate neon brightness or to gate the unit
on and off.

Maximum "on" voltage : 1.20 V
Minimum "off" voltage : 2.50 V
Control current : 1.6 mA (5 V control voltage)
Absolute max. control voltage : 15 V

OUTPUT CHARACTERISTICS

Shorted output supplies the rated current.
Open circuit or excessive load will cause the
unit to shut down, but special circuit will
attempt to automatically restart power up to
three times to avoid nuisance trips.

Voltage : 5KV AC max. (actual voltage
depends on load and will be
equal to or lower than this value.)

Current : 30 mA

OUTPUT CONNECTIONS

GTO-5 leads, 12 inches long.

DIMENSIONS

4.00 x 1.40 x 0.90 (max) inches

MOUNTING

Unit is mounted with two 8-32 x 3/4 inch
nylon screws and nuts (provided).

FOOTAGE CHART

	8 mm	9 mm	10mm	12mm	15mm
Neon	8 ft	9 ft	11 ft	16 ft	17 ft
Argon	10 ft	12 ft	14 ft	19 ft	14 ft

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

This unit complies with requirements in
UL 2161 standard, including secondary
ground fault protection requirements.
It is suitable for indoor or outdoor use.

CAUTION

This device produces high voltage at
high frequency and can create potential
danger if not applied and installed properly.
This device is provided with an automatic
reset function - disconnect power before
servicing.

HOW TO ORDER

Model	supplied with	UL std
Gen3-5K30	input leads	2161
Gen3-5K30/7B	black power cord	2161
Gen3-5K30/7W	white power cord	2161
Gen3-5K30/C	control input	2161