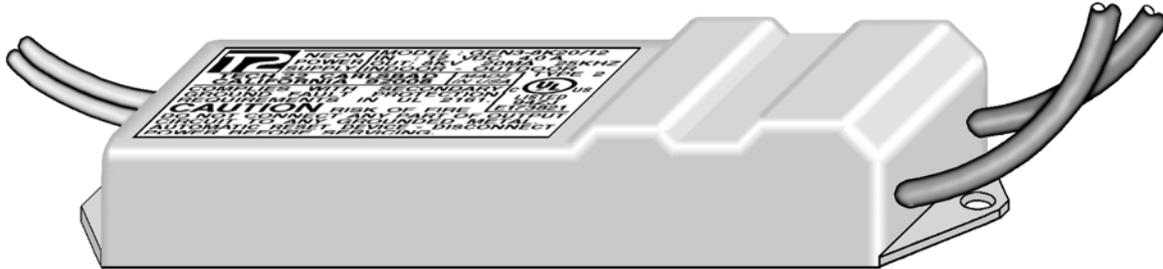


NEON POWER SUPPLY MODEL 8000/12VDC



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(unit shown in actual size)

POWER REQUIREMENTS

Voltage : 8 to 14 Volts DC
Current : 4.00 A max (depends on load)
Power : 56 W max (depends on load)

INPUT CONNECTIONS

AWG 18 leads, 8 inches long, red (+) and black (-)

CONTROL (OPTION C)

Orange (+) 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 : 3.6 V
Minimum "off" voltage : 0.8 V
Control current : 50 microamps maximum
Absolute max. control voltage : 15 V

Additional information regarding this feature is provided in data sheets for Tech 22's Gen3 controllers.

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.

Rated output voltage : 8kV AC max.
(actual voltage depends on load and will be equal to or lower than this value.)

Rated output current : 20 mA
(short circuit)

OUTPUT CONNECTIONS

GTO-10 leads, 12 inches long.

DIMENSIONS

4.00 x 1.40 x 0.90 (max) inches

MOUNTING

Unit is mounted with two screws.

FOOTAGE CHART

	8 mm	9 mm	10 mm	12 mm	15 mm
Neon	10 ft	13 ft	15 ft	18 ft	20 ft
Argon	12 ft	15 ft	17 ft	20 ft	20 ft

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

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.