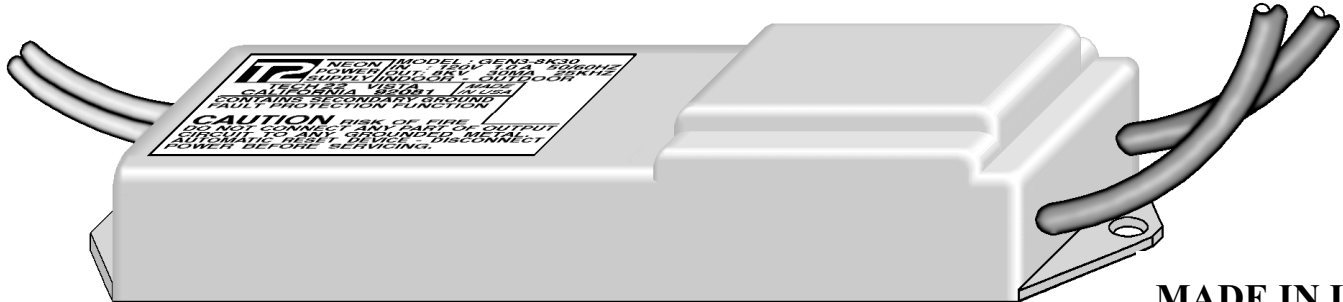


NEON POWER SUPPLY MODEL Gen3-8K30



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MADE IN USA

POWER REQUIREMENTS

Voltage : 120 VAC, 50/60 Hz
Current : 1.00 A max (depends on load)
Power : 140 W max (depends on load)

INPUT CONNECTIONS

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

CONTROL (OPTION C)

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

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 : 30 mA
(short circuit)

OUTPUT CONNECTIONS

GTO-10 leads, 12 inches long.

DIMENSIONS

4.75 x 1.45 x 1.15 (max) inches

MOUNTING

Unit is mounted with two screws.

FOOTAGE

TP	GEN3-8K30				
	8mm	9mm	10mm	12mm	15mm
Neon	13 ft	15 ft	17 ft	24 ft	26 ft
Argon	15 ft	17 ft	22 ft	25 ft	22 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.

HOW TO ORDER

Model	** supplied with	** UL standard
Gen3-8K30	2 input leads	not listed
Gen3-8K30-2P	power cord 2-prong	not listed
Gen3-8K30/C	2 input leads +control input	not listed
Gen3-8K30-7	power cord 3-prong	not listed