Power supplies for cold cathode lamps.
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DATA SHEET Neon Power Supply
ET 9030 ET 9030 P ET 9030 D ET 9030 D-F

- Available in the following versions: *Standard, Dimmer, Dimmer & Flasher*
- 120v. input, with a 59" line cord.
- Pull Chain Switch available
- Secondary supplied with 32" of silicon cable
  FOR DIMMER AND DIMMER & FLASHER MODELS ONLY:
- press button to switch between dimmer or flasher feature
- rotate knob to dim the light or to adjust speed flashing, according to button position
- These models are only intended for Factory Installation.
- Suitable for use only in dry location.
- No part of the secondary or output circuit shall be connected to any dead metal, grounded or ungrounded.

Electrical data:

Input:	Voltage	120 Volt
	Current	0.85 Ampere
	Frequency	50/60 Hertz
	Power	80 Watt
	Power factor	$\lambda > 0.9$
Output:	Voltage	9kV rms max.
	Nominal load current	25 mA
	Short circuit current	27 mA
	Frequency	25 kHz

Optionals:

	9030	9030 P	9030 D	9030 D-F
Pull Chain		•	•	•
Dimmer			•	•
Flasher				•

Performance:

- Self-adjusting
- Compatible with external *Flashers (0.5sec. delay at switching on)*
- Supplied with ***open circuit protection, ground fault protection*** *and* ***protection against overloading***
- Maximum ambient temperature 104°F
- Not compatible with external neon *Dimmers*

Loading Chart (in feet)

Diameter	6mm	8mm	10mm	12mm	15mm	18mm	20mm
Argon/hg	28	32	36	39	43	46	49
Neon	19	23	26	28	30	33	36

(Deduct one foot per pair of electrodes)

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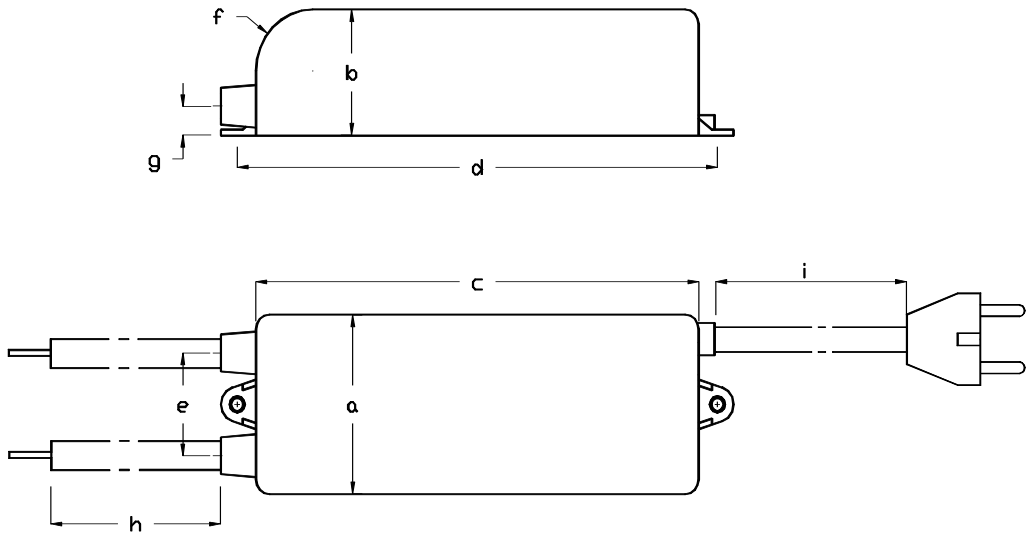
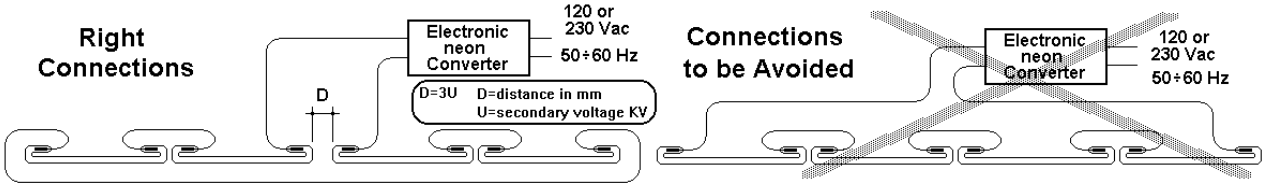


	a	b	c	d	e	f	g	h	i	weight
Midi	1.9	1.38	5.9	6.4	0.98	0.55	0.24	32	59	23 oz.

All dimensions are in inches.

INSTALLATION GUIDELINE

- To verify proper loading put a 40kΩ resistor in series with the secondary circuit. If the sign stays lit the loading is correct. This test can be done before and after the installation to confirm your installation is correct. *(the 40kΩ resistor is available for a minimal charge from your local sign supply distributor)*
- This step is very important for installations close to the limit of the converter. The converter has a microprocessor that senses any overload situation and immediately shuts down the converter protecting both the converter and your neon installation. The 40kΩ resister insures you have properly loaded converter and a margin against nuisance tripping.
- Avoid extending the secondary leads beyond that supplied with the converter.
- The converter may be installed on a metal surface. However the top and sides must be 3/8" away from any metal surface.
- The converters must be spaced **3/4" away** from one another.
- The distance between the lamps and parts with different potential (other lamps, current conductors, parts connected to earth) shall be suitable to the voltages on site which, at the frequencies produced by the converter, can discharge easily through air and unsuitable insulating material.
- The material of the supports of the lamps must be always insulating.



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