



ELECTRONIC NEON

PRODUCT OVERVIEW :

Advance expands its popular signPRO® family to include a new line of electronic neon power supplies for a broad range of indoor and outdoor neon sign applications.

Reliable and high-performing, Advance's signPRO electronic neon power supplies insure continuous and consistent operation of neon signs via a range of dedicated performance and safety features, including self-adjusting output voltage, constant current output, an auto re-start circuit, and ground-fault, open circuit, and overload protection. In addition, their electronic circuitry enables significant reductions in energy consumption, delivering up to 66% energy savings versus magnetic neon transformers. Safe, versatile, and easy to use, signPRO electronic neon transformers offer the neon sign industry a powerful and energy-efficient lighting solution.

signPRO®

Electronic Neon Power Supplies



Indoor and Outdoor Power Supplies

DESIGN HIGHLIGHTS:

- Energy savings
 - Up to 66% energy savings versus magnetic neon transformers
- Smaller and lighter
 - Easier handling and installation versus magnetic neon transformers
- Self-adjusting output voltage
 - Automatically adjust output to operate tube footage specified in the Luminous Tube Footage Chart
- Constant current output
 - Provides constant light output for different sized letters
- Auto re-start circuit
 - Turns on up to three times for intermittent problems
- UL2161 listed product
 - Complies with secondary ground-fault protection requirements in UL2161
- Ground-fault protection
 - Automatically shuts down output
- Open circuit protection
 - Automatically shuts down output
- Overload protection
 - Automatically shuts down output
- Starts and operates down to -30°F (outdoor power supply only)
 - Ideal for cold temperature applications
- High power factor design
 - Reduces wiring costs
- No neon bubbling
 - Provides consistent light output
- No "Jelly Beaning" or Mercury migration
 - Provides consistent light output

APPLICATIONS:

- Channel Letters
- Border Lighting
- Back Lit Signs
- Window Edging
- Open Signs
- Panel Signs

Application	Luminous Tube Footage	Min. Starting Temp. (°F)	Input Volts	Catalog Number	Max. Input Current (Amps)	Max. Input Power (Watts)	Output Voltage (V)	Output Current (mA)	Dimensions	Weight (lbs.)
Indoor	See Table	32°F	120	ANI-5030	0.50	60	5 kV	30 mA	N1	1.5
				ANI-7530	0.75	90	7.5 kV	30 mA	N2	1.8
				ANI-10030	1.00	120	10 kV	30 mA	N3	2.0
Outdoor		-30°F		ANO-5030	0.50	60	5 kV	30 mA	N4	1.5
				ANO-7530	0.75	90	7.5 kV	30 mA	N5	1.8
				ANO-10030	1.00	120	10 kV	30 mA	N6	2.0

Maximum Operating Temperature: 104°F / 40°C for Indoor Units, 122°F / 50°C for Outdoor Units

Luminous Tube Footage Chart (Indoor Applications)

Catalog Number	Output Voltage	RED NEON FOOTAGE										MERCURY FOOTAGE - ALL COLORS									
		Tube Size in Millimeters																			
		8	9	10	11	12	13	14	15	18	8	9	10	11	12	13	14	15	18		
ANI-5030	5 kV	8	9	11	12	14	15	16	18	22	10	11	13	14	16	18	19	21	26		
ANI-7530	7.5 kV	13	15	17	19	21	23	26	28	35	15	18	20	23	25	28	30	33	41		
ANI-10030	10 kV	17	20	23	26	29	32	35	38	48	21	24	27	31	34	38	41	45	56		
ANO-5030	5 kV	8	9	11	12	14	15	16	18	22	10	11	13	14	16	18	19	21	26		
ANO-7530	7.5 kV	13	15	17	19	21	23	26	28	35	15	18	20	23	25	28	30	33	41		
ANO-10030	10kV	17	20	23	26	29	32	35	38	48	21	24	27	31	34	38	41	45	56		
Recommended Gas Pressure - mmHg		15	14.5	13	12	11	10.5	10	9.5	8	15	14.5	13	12	11	10.5	10	9.5	8		

Note: 1. For outdoor applications, reduce footage by 20%
2. Deduct 1 foot for each pair of electrodes

Designation	Dimensions (inches)			
	Length (L)	Width (W)	Height (H)	Mounting (M)
N1	6.50	2.07	1.42	6.00
N2	6.50	3.15	1.50	6.00
N3	6.50	3.65	1.50	6.00
N4	7.00	1.94	1.45	6.50
N5	6.55	3.00	1.55	6.12
N6	6.55	3.55	1.55	6.12

Physical Characteristics

Indoor Models:

- 10 foot power cord (3 - conductor)
- On/Off pull-chain switch
- 24" GTO output leads

Outdoor Models:

- 36" input leads (Black, White, Green)
- 1/2" conduit nipple for input connections
- 24" GTO output leads

