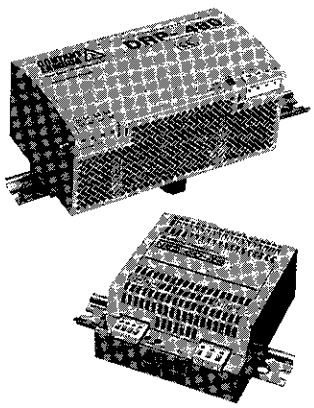
NES/DRP Series Industrial DIN rail power supplies



DIN Rail Mounting Standards

Radiated & Conducted EMI

Input Transient Protection

Single & Three Phase AC Input

Robust design for Industry

Power Factor & Harmonic Correction

Worldwide Safety Agency Approvals

Non Periodic Overvoltage

Lambda's 2 Year Warranty

Low Profile or Less Panel Space

Lambda's new NES & DRP Series, Din Rail Mountable power supplies were developed to deliver the highest performance and reliability in low profile and standard packaging from 60 to 960 Watts. Engineered to handle severe input transients and brown outs, typical of factory settings, the NES & DRP Series power supplies are in compliance with IEC1000-4 (-2, -3, -4, -5, -6). Power Factor & Harmonic Correction is also incorporated, improving input power quality, line regulation, AC noise immunity and hold-up time.

With the global market in mind, the NES & DRP Series power supplies feature worldwide safety approvals including: UL1950, EN60950 and the CE Mark. Through Lambda's advanced design techniques and global support, the NES & DRP Series power supplies will prove to be the Industry's choice for High reliability and quality, ensuring maximum up-time.

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AC Input ..... NES: 85-265VAC continuous (47-63Hz). DRP: -1 Model - Single Phase 110/230VAC, 47-63Hz. -3H Models - Three Phase 480VAC, 47-63Hz.

Efficiency ..... 80% typical.

Power Factor Correction .... NES: IEC1000-3-2; DRP: EN61000-3-2

Input Transient Protection .. NES: IEC1000-4 (-2, -3, -4, -5, -6). DRP: EN61000-4 (-2, -3, -4, -5, -6).

EMI ..... Conducted and Radiated: EN55022-B Curve B & FCC Class B.

Output Voltage Adj Range .. ±10%.

Line Regulation ..... NES: 0.3%. DRP: Less than 1%.

Load Regulation ..... NES: 0.6%. DRP: Less than 2%.

Ripple and Noise ..... NES: 150mV pk-pk @ 24V DRP: Less than 20mV pk-pk.

Hold-up Time ..... NES: 20 ms (typical); DRP: Greater than 11ms.

Overcurrent Protection ..... Electronic current limiting circuit limits the output current to 110% of the maximum rated current with automatic recovery.

Overvoltage Protection .... Non-crowbar, inverter shutdown type OV protection.

Cooling ..... Convection cooled.

Operating Temperature Range 0°C to +60°C with derating above +50°C. i.e. 0°C to +50°C ~100%. +60°C ~60%.

Storage Temperature ..... -30°C to +85°C.

Humidity ..... 30% to 90% RH (non-condensing).

Isolation ..... Input to Output – 3.0kVAC. Input to Chassis (FG) – 2.0kVAC. Output to Chassis (FG) – 500VAC.

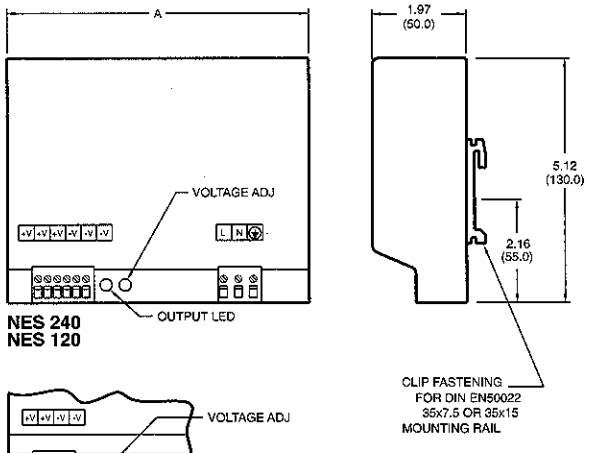
Output Status Indicator .... A green LED when DC output is "ON".

Mounting ..... DIN Rail Standard EN50022, capable of mounting to a 35 x 7.5 (mm) or 35 x 15 (mm) rail.

Safety Agency Approval .... NES: UL1950, CSA950, EN60950 and the CE Mark (Low Voltage Directive). DRP: EN60950, VDE0160 and the CE Mark (Low Voltage Directive).

Warranty ..... 2 years.

OUTPUT	POWER (W)	MAX CURRENT AMPS AT 40°	50°	60°	MODEL
24V(24.0-28.0)	60	2.5	2.5	–	**DRP-60-1**
	120	5.0	5.0	–	**DRP-120-1**
	240	10.0	10.0	–	**DRP-240-1**
	480	20.0	20.0	–	**DRP-480-1**
	480	20.0	20.0	–	**DRP-480-3H**
	60	2.5	2.5	2.0	**NES60-24**
	120	5.0	5.0	4.0	**NES120-24**
	240	10.0	10.0	8.0	**NES240-24**



DIMENSIONS:

MODEL	A	B	C
NES60	4.52 (115.0)	1.28 (32.5)	1.97 (50.0)
NES120	6.29 (160.0)	1.67 (42.5)	2.95 (75.0)
NES240	8.27 (210.0)	2.17 (55.0)	3.94 (100.0)

WEIGHT:

MODEL	LBS
NES60	1.24
NES120	1.81
NES240	2.54

DRP DIMENSIONS ONLY:

MODEL	INCHES	MM
DRP 60	4.88 x 1.93 x 4.00	124 x 49 x101.5
DRP 120	4.92 x 2.56 x 4.06	125 x 65 x 103
DRP 240	5.39 x 4.92 x 4.06	137 x 125 x 103
DRP 480	9.01 x 4.00 x 4.88	229 x 101.5 x124

NOTE:
1. DIMENSIONS ARE IN INCHES EXCEPT DIMENSIONS ( ) ARE IN MM.