

Lighting Controls

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

NX POWER SUPPLY

POWER SUPPLY

FEATURES

- Low Profile for Building Automation
- 24V Output
- Wide Range AC Input (100-277VAC)
- Evaluated to NEC NFPA70 Class 2 Output
- Class II Double Insulation
- AC Line Frequency Sync Signal
- -25 to +71°C Operation
- DIN Rail Mount



CONTROL TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Flame retardant polycarbonate (UL94 V-0)
- 2.09" x 3.76" x 2.19"
- 200g

ELECTRICAL

- AC Input Voltage Range: 90-304VAC, Class II double insulated (No ground connection required)
- Input Frequency: 47-63Hz
- DC Input Voltage Range: 120-370VDC
- Input Current: 1.5A at 90VAC input
- Inrush Current: 65A at 230VAC, Cold start, 25°C ambient
- Power Factor and Flicker: Meets EN61000-3-2, EN61000-3-3
- Output Voltage Accuracy $\pm 1\%$ of Nominal
- Line Regulation: 240mV
- Load Regulation: 240mV
- Ripple and Noise (20MHz BW): 120mV

ELECTRICAL (CONTINUED)

- Overcurrent Protection: $< 160\%$
- Overvoltage Protection: 30-36VDC
- Hold Up Time (115VAC input): 25ms
- LED Indicators: Green LED - On, Red LED - DC Output Low
- Line sync signal (secondary): 24V peak to peak square wave, synchronized to input line frequency

OPERATION

- Operating Temperature: -25 to +71°C (Derate linearly 2.5%/°C from 61 to 71°C)
- Temperature Coefficient $\pm 0.05\%/^{\circ}\text{C}$
- Storage Temperature: -25 to +85°C
- Operating Humidity: 20-90% RH (non condensing)
- Cooling: Convection
- Withstand Voltage: Input to Output 3kVAC for 1 min.

OPERATION (CONTINUED)

- Isolation Resistance: $> 20\text{M}$ at 25°C, 70% RH and 500VDC
- $> 100,000$ Hours

CERTIFICATIONS

- UL60950-1
- EN60950-1
- Evaluated to NEC NFPA70 Class 2 output per UL1310
- CE EN61000-4-2, -3, -4, -5, -6, -8 and -11
- EN55022 class A

WARRANTY

- 5 year warranty

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ORDERING GUIDE

Model

NXPWRSPLY 24VDC, 1.25A DIN Rail Mount Power Supply

DIMENSIONS

