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24VDC – Detector Rack Power Supply

Model NPS-4

- 4 channel
- Regulated 24VDC Output
- LED indicators for each output
- Max Output Current 1.67A
- Wide temperature range: -30°F to +160°F
- Meets or Exceeds NEMA TS-1 Standards
- Plugs directly into NEMA card racks
- Individually fused outputs



The NPS-4 has been specifically designed and engineered for use in the demanding Traffic Control industry. The NPS-4 covers your power needs.

The NPS-4 delivers a consistent, regulated 24VDC to the rack independent of load current. The NPS-4's powerful 1.67A is distributed to each of the four outputs.

Reliable operation and long field life are the key engineering goals in every Northstar product.

NPS 4 Specifications

Specifications/Selections

Outputs

Electrical Outputs:

- +24 VDC +/- 2 VDC, 1.67 A

Each channel is protected by a .65A solid state resettable fuse.

Connections/Assignments

Input and Output:

A	DC Commonl	N	115VAC Line
B	+24VDC Output	P	Spare
C	+24VDC Output	R	Spare
D	Spare	S	Spare
E	Spare	T	Spare
F	Spare	U	+24VDC Output
H	Spare	V	+24VDC Output
J	Spare	W	Spare
K	Spare	X	Spare
L	Chassis Ground	Y	Spare
M	115 VAC Neutral	Z	Spare

*Connects to: Cinch Jones 50-44A-30M card edge connector.

Specifications

TS1 Compliance:

The Northstar NPS-4 meets or exceeds the minimum requirements for a TS1 cabinet power supply.

Input Voltage:

90 – 264 VAC, 47 to 63 Hz

Max Output Current:

1.67A

Output Ripple:

1.0%

Line Regulation:

± .05% measured from High to Low line.

Load Regulation:

± 1.0% measured from Full load to 10% load.

Short Circuit Protection:

Continuous

Temperature Range:

-30° F to +165° F.

Mechanical:

Compact design allows the NPS-4 to easily fit in limited cabinet space.

Dimensions:

7.0' deep
4.5' high
2.0' wide
* excluding handle

Indicators:

Front panel LED indicators include:

1. Power applied per channel
2. 24VDC Output per channel

Front Panel:

Power On / Off switch

Specifications are subject to change without notice.

Northstar Controls L.L.C. warrants this product against defects in Manufacturing and workmanship for one year from date of shipment from the Northstar Controls L.L.C. factory.

