



## Detector Rack Power Supply

### Reliable Power

The MPS4 Regulated Power Supply provides a consistent 24 VDC to the card rack and is independent of the load current (unlike unregulated supplies). The regulated +24 VDC output can be monitored for failure using NEMA TS -1 equipment.

This is advantageous when using NEMA TS -1 solid state output detectors, which will not provide a call output when power is lost. The MPS4 module has four +24 VDC outputs. This allows the MPS4 to plug-in to card racks wired for multiple channel power supplies and distributes the total 1200 mA of current to the channels connected.

The MPS4 has the ability to power up to 64 channels of PEEK/Sarasota multi-channel detectors.

### Features

- Regulated 24 VDC
- Four simultaneous outputs
- Certified according to requirements of UL, CSA, IEC and EN
- Four 24 VDC outputs available
- 1200 mA maximum current available
- Ability to power up to 64 channels of PEEK/Sarasota detectors
- Ability to power VideoTrak-IQ detectors with up to 12 video channels
- Front panel output indicator
- Plugs into standard NEMA size card racks
- Front panel fused



## Specifications

Property	Description
Input Voltage	115 VAC $\pm$ 10%, 60 Hz
Input Fusing	500 mA
Power Switch	Optional front panel off/on switch
Output Voltage	Regulated 24 VDC
Output Current	1200 mA (maximum)
Line Regulation	$\pm$ 0.05% for 10% input change
Load Regulation	$\pm$ 0.05% for 50% load change
Output Ripple	3.0 mV P-P maximum, 0.4 mV RMS
Transient Response	30 us for 50% load change
Short Circuit & Overload Protection	Automatic current limit/ feedback
Temperature Range	0 to 50 degrees C full rated derated linearly to 40% at 70° C
Humidity	96%, no condensation
Vibration Tested	Per Mil-Std-810B Method 514, Procedure I
Shock Tested	Per Mil-Std-810B Method 516, Procedure V
Dimensions	4.5"H x 6.875"D x 2.25"W 114.3 mm x 174.6 mm x 57.2 mm
Weight	2.58 lbs (1.2 kg)
Shipping	3.0 lbs. (1.4 kg)
Connector	To mate with Cinch Jones 50-44A-30M card edge connector

## Two Year Limited Warranty

Peek Traffic warrants this product against manufacturing defects in materials and workmanship for two years from date of shipment from the Peek factory. Specific contracts and regional laws may vary or alter these terms.

Peek Traffic Corporation products are protected by one or more U.S. and international patents.

\* For specific warranty information, contact your local representative or Peek Traffic Corporation.

## Pin Assignments

Pin	Function	Pin	Function
A	DC Common	N	115 VAC 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

Numerical side not used.



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