

SPS-01 SERIES

Surge Supression System for Motorola Canopy® Radios

The SPS-01 series has been designed specifically to work with the Motorola Canopy® product line. Each model has been found to be operational withstanding 15,000 (15 kV) volts of electrostatic discharge (ESD). The small form factor of each model insures that additional mounting hardware is not required at the installation site. In addition, unlike most surge protection devices, the SPS-01 protects on all eight CAT5 pins. Once a suitable source of Earth Ground is found the SPS-01 series will help to protect the Motorola Canopy equipment connected to it.

Two of the models are designed for outdoor installation and fit inside the Canopy case just below and around the Canopy light bars. The additional model has been designed for installation near the computer. The additional forty-five seconds to add a SPS-01 to a Canopy installation adds a complete grounding circuit to the system.

Highlights

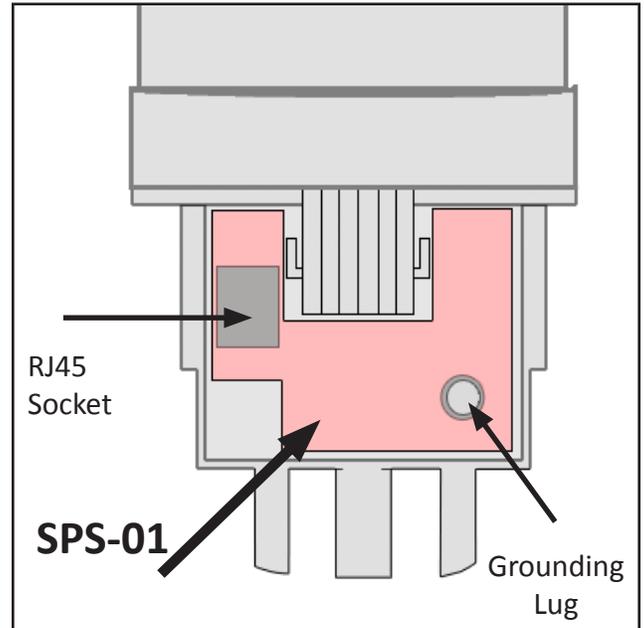
- Mounts inside the Canopy case
- Provides protection on power and data pins
- Provides surge protection against positive and negative voltages
- Easily ground Canopy radios to the tower
- Compatible with Motorola® 300SS and other surge suppressors

SPS-01-AP

The SPS-01-AP has the additional feature of translating the GPS timing pulse from the power port to the timing port. This is a useful feature should a Canopy stop receiving sync from GPS over POE device.

SPS-01 Models: (Patent Pending)

SPS-01-AP	AP / BH model includes GPS shift to timing port	\$99
SPS-01-SM	SM radio protection	\$63
SPS-01-MP	indoor CPE unit	\$52
SPS-01-AC	AP and MP combo pack	\$129
SPS-01-SC	SM and MP combo package	\$99



Electrical Characteristics:

Data Clamp Voltage	5 VDC
Power Clamp Voltage	36 VDC
Peak Pulse Current	1, 500 J
Response Time	< 5 ns
Max Shunt Capacitance	< 0.30 pF
Protection Mode	Line to Line, Line to Ground
Neg Voltage Protection	1,000 V
Operating Temperature	-40 °C to 55 °C
Connectors	RJ45 and RJ11

Available from Canopy distributors and resellers in single and bulk pack quantities. Prices subject to change without notice. Contact sales for pricing on larger volumes.

FDDi

www.fddisystems.com

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(918) 584-0030 fax

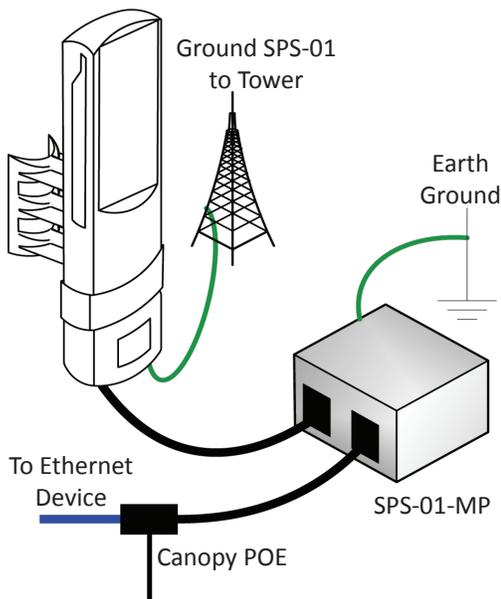
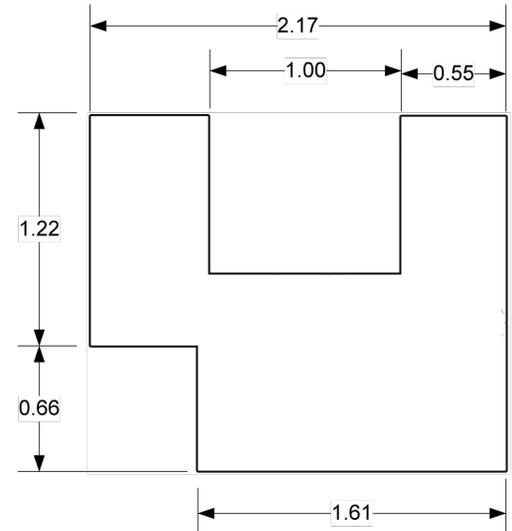
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Model Configurations:

SPS-01 Model	SPS-01-AP	SPS-01-SM	SPS-01-MP
DC Line Voltage (pins 4, 5, 7, 8)	24 VDC		
Data Line Voltage (pins 1, 2, 3, 6)	5 VDC		
Input Connector	RJ45		
Output Connector	RJ45 and RJ11	RJ45	
GPS Timing Pulse Delay	< 10 ns	N/A	
Operating Temperature	-40 °C to 55 °C		

SPS-01AP and SPS-01SM Dimensions (inches)



SPS-01-SC Install

It is estimated that over 90% of wireless internet home installations are not grounded or improperly grounded. The SPS-01 series is a simple answer to this compound problem.

Features:

- Designed for Motorola © Canopy power requirements
- Silicone resin coated for protection against moisture
- Mounts inside the Canopy case
- Easy grounding at the tower

SPS-01-AP

The SPS-01-AP is specifically designed to work with access points and backhaul timing master radios. It has all the surge protection benefits of a SPS-01 product and has the added feature of translating the timing signal from a GPS over POE device to one that the Canopy radio can recognize over the timing port. In addition, the SPS-01-AP removes the original GPS pulse so that a clean power signal is sent to the Canopy radio. This can be particularly useful if an AP/BH suddenly fails to recognize the GPS over POE signal.

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(Patent Pending)

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