

PIP-120P

EMI/RFI FILTER

ELECTRONIC SURGE SUPPRESSOR



FEATURES:

- ▶ All Silicon design provides the fastest transient response time available. Less than 1 nanosecond.
- ▶ Rugged epoxy molded case with Pigtail leads and spade lug terminations.
- ▶ Can be Printed Circuit Board mounted or Panel mounted.
- ▶ Effective low clamping voltages both common and differential mode.
- ▶ Powerful, high speed transient energy absorption up to 15kW per line / 25kW per suppressor.
- ▶ Unlimited current application because load current does not pass through suppressor.
- ▶ Effective EMI/RFI filtering combined with suppression in one package.
- ▶ Hermetically sealed package for the most severe environments.
- ▶ Automatically resets after each transient. No maintenance is required.
- ▶ Low profile package with mounting tape or screw holes and terminal lugs for simple installation in new and existing designs.

Applications:

The PIP-120P is designed to be hard wired into 120 VAC power line service to sensitive electronic equipment.

Typical applications include measurement and control, instrumentation, communication equipment, CATV distribution systems, telecom equipment, computer systems, etc.

Select the SPP-1206A, SPP-2206A or PIP Series for AC and the 15KP Series for DC in PCB mount OEM applications

Typical Installation:

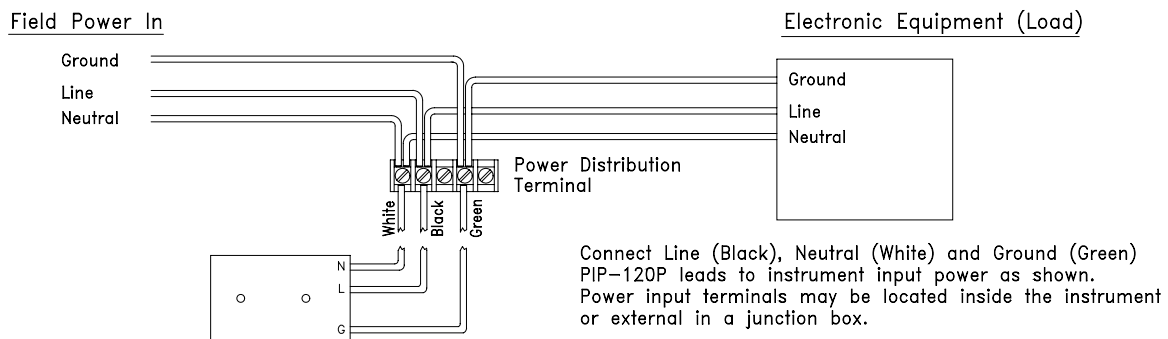
Mount the PIP-120P on any convenient surface using screws or the mounting tape provided (usually inside the equipment it is to protect or a terminal junction box). Connect the leads provided to the line, neutral and ground input terminals shown. Install the protector as near the equipment to be protected as possible and make certain the wires connecting the PIP-120P to the "lines" are as short as possible.

PIP-120P Operating Specifications:

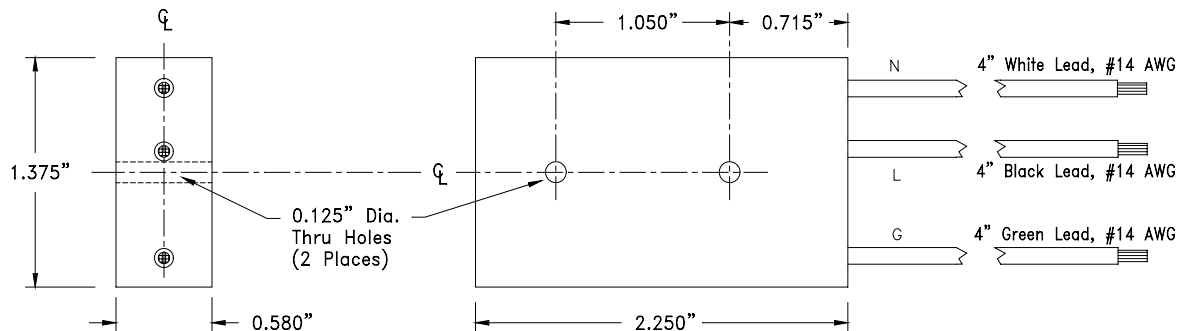
Specifications	PIP-120P
Line Operating Voltage	120 VAC
Maximum Operating Line Current	Unlimited
MCOV	130 VAC
Maximum Breakdown Voltage at I_L (1 mA)	210 Volts
Clamping Voltage (10 x 1000 μ Sec) @ I_{pp}	277 Volts
Maximum Peak Pulse Current (I_{pp})	54 Amps
Maximum Leakage I_r Current	250 μ A
Maximum Peak Power per Line (During Surge)	15 kW
Maximum Peak Power per Suppressor (During Surge)	25 kW

Consult the factory for other applications and operating conditions and specifications. Operating and Storage Temperature - 65 Degrees Celsius to +150 degrees Celsius. Specifications / Tests utilizing standard 10 x 1000 μ Sec waveform.

TYPICAL INSTALLATION



OUTLINE DIMENSIONS:



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