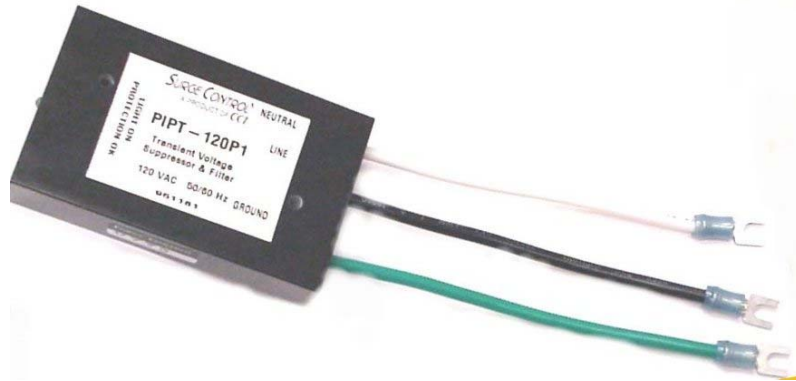


# PIPT-120 SERIES

EMI/RFI Filter

SHUNT SURGE SUPPRESSOR



## FEATURES:

- ▶ The PIPT-120 Series is a heavy duty surge suppressor ideal for protecting electronic equipment and instrumentation.
- ▶ LED indication of protection status
- ▶ Thermal cut out protection ensures fail safe (open) and prevents any safety hazard during sustained over-voltages.
- ▶ Rugged epoxy molded case with Pigtail leads and spade lug terminations.
- ▶ Can be Printed Circuit Board mounted or Panel mounted.
- ▶ Effective low clamping voltages.
- ▶ 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 mounts using through holes or with mounting tape for simple installation in new and existing designs. Custom mounting hole arrangements can be provided.

## Applications:

The PIPT-120 Series is designed to be hard wired into 120 or 220/240 VAC power line service to sensitive electronic equipment.

The PIPT-120 Series is available in a variety of mounting configurations.

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

## Typical Installation:

Mount the PIPT-120 Series 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 as shown in diagram on next page. Install the protector as near the equipment to be protected as possible and make certain the wires connecting the PIPT-120 Series to the "lines" are as short as possible.

**SURGE CONTROL**®  
A PRODUCT OF CCI

# PIPT-120 SERIES OPERATING SPECIFICATIONS:

SPECIFICATIONS	PIPT-120XY*	PIPT-220XY*
Line Operating Voltage	120 VAC	220 or 240 VAC
Maximum Operating Line Current	Unlimited	
MCOV	150 VAC	275 VAC
Maximum clamping Voltage at 100 Amps (L-N)	395 Volts	710 Volts
Maximum transient Voltage	20 KV	
Maximum Transient Current (L-N)	20 KA	
Maximum Transient Current (L-G)	10 KA	

Operating and Storage Temperature -65 Degrees Celsius to +150 degrees Celsius. Waveforms: 1.2  $\mu$ Sec voltage/ 8 x 20  $\mu$ Sec source current.

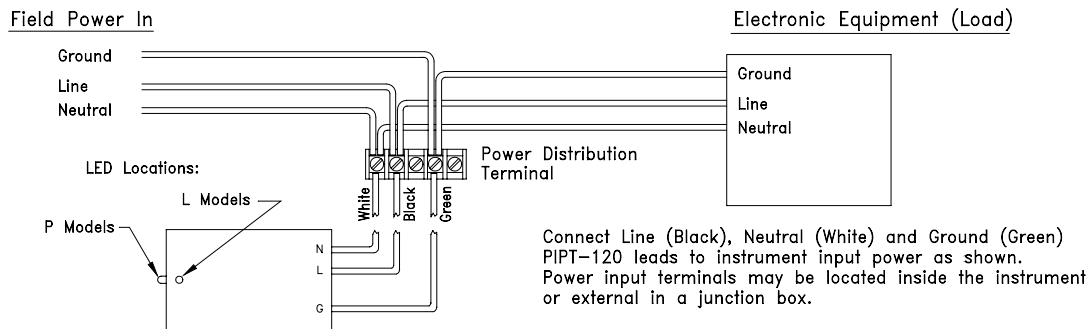
## PART NUMBERING

\* XY denotes the part type :

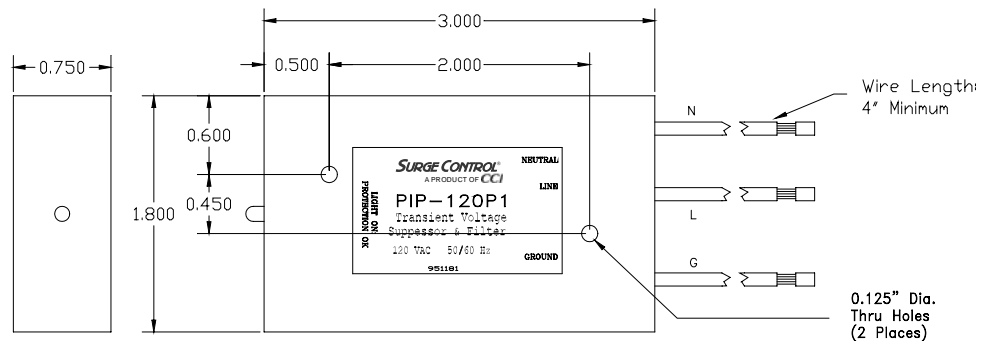
**X: P or L**      **P**— LED indicator light on the end,    **L**— LED indicator light on the top  
**Y: Numerical suffix to denote mounting hole arrangement**

All models have the same case outline dimensions, see drawing below.

## TYPICAL INSTALLATION



## OUTLINE DIMENSIONS: PIPT-120 SERIES (PIPT-120P1 SHOWN)



**Circuit Components, Inc.**  
 2400 S. Roosevelt Street Tempe, AZ • 85282  
 Tel: 480-967-0624 • Fax: 480-967-9385  
 Email: [info@surgecontrol.com](mailto:info@surgecontrol.com) • Website: [www.surgecontrol.com](http://www.surgecontrol.com)

**SURGE CONTROL®**  
 A PRODUCT OF **CCI**

This information is not intended to and does not create any warranties, expressed or implied, including any warranty of merchantability or fitness for a particular purpose. Circuit Components Inc. reserves the right to change specifications at any time without notice.