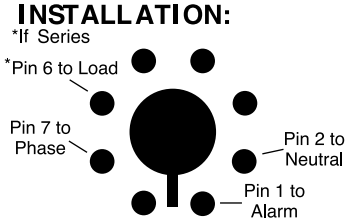
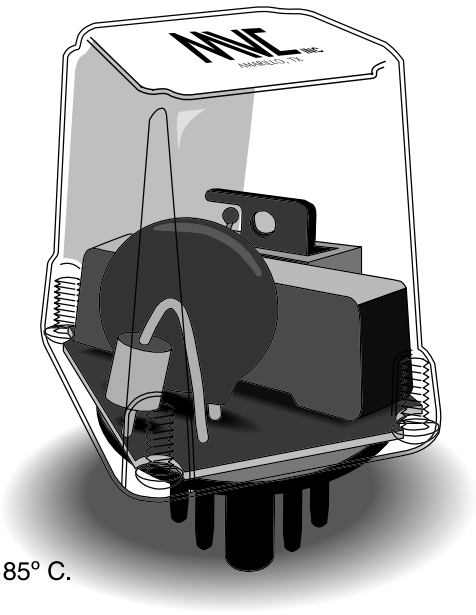
The ICP-SERIES AC or DC power line voltage suppressor was designed for individual circuit protection, such as PLC and solid-state controls. The ICP-Series offers one of the highest degrees of protection against line noise transients. It is ideal for protecting solid state components. Hybrid technology assures that damaging spikes and surges will be suppressed to a safe level. For maximum effectiveness the eight-pin socket should be installed as close as possible to the power source. This method of using suppression has proven to be very effective and necessary. Transients not only effect solid state components, but any piece of equipment that uses electricity. The degree to which transients effect other equipment is usually noticed in what we call latent failure. Latent failure is where high voltage transients blow small holes in insulation and cause degradation of all electrical devices. This shortens the life of electrical equipment considerably, but this problem can be rectified with the use of the ICP.

INSTALLATION:





GENERAL ELECTRICAL CHARACTERISTICS:

1) Response time/component response time is sub-nanosecond.
2) Enclosure is rated NEMA 1, nonconductive and corrosion resistant.
3) Frequency range: 50 - 400 Hz
4) EMI-RFI noise attenuation to 40 db. on AC models.
5) Operating temperature: -40° to 85° C.
6) Operating humidity: 1% - 95%.
7) Capacitance: 1 to 1.5 microfarad per line on AC models
8) Rated power dissipation: one watt per line.
9) Units are fused for safety.
10) Units have failure indicators.
11) Alarm allows user to be notified by actuating pin one with operating voltage allowing features such as shut-down to be performed.

Made in U.S.A.

BENEFITS:

As a means of secondary suppression, the ICP can be installed close to the equipment you desire to protect. This keeps installation easy as well as inexpensive, giving you the highest level of protection available. Electrical components are manufactured specifically for surge suppression, and are U.L. recognized.

APPLICATIONS:

- Control Voltage
- PLC Based Controls
- Logic Controls
- Phone Boards
- Individual Circuits
- Instrumentation

All Units Should be Installed by a Licensed Electrician.

BENEFITS OF MVC

Engineered & U.L. Recognized with Correct Fusing – **Standard**
Means of Indication – **Standard**
Not Ground Dependent – **Standard**
UR 1283 Filtering – **Standard**

c UL us
TVSS 1449
Second Edition

MVC, INC.
800 S. Rusk
AMARILLO, TEXAS 79106
(800) 583-4773 Fax (806) 371-7454
http://www.maxivolt.com

Model	Size L x W x D	Voltage Application	Maximum Continuous Line Voltage (RMS)	Nominal Clamping Voltage (Peak)	Max Peak Current (8 x 20) sum	Transient Energy (Joules)	Fuses
ICP-110	1.4 X 1.4 x 2	120V 2W	130	170	6500	155	Internal
ICP-110-S*	1.4 X 1.4 x 2	120V 2W	130	170	6500	155	Internal
ICP-40DC	1.4 X 1.4 x 2	12-24V DC	N/A	60	1000	11	Internal
ICP-40DC-S	1.4 X 1.4 x 2	12-24V DC	N/A	60	1000	11	Internal

* ICP - 110 Series No More Than 360 Watts.

ICP-SERIES