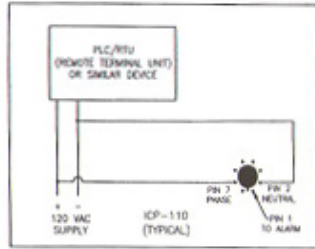


ICP Typical Wiring Diagram



Note: The diagram above reflects 110 VAC incoming power. The ICP-40DC uses the same wiring diagram, with the exception that the incoming power will show 12 to 24 DC Volts.

IMPORTANT INFORMATION

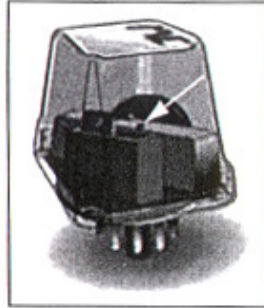
Mount eight-pin base as close as possible to the incoming power source to leave lead lengths at a minimum (no longer than 18 inches).

The ICP has to be the path of least resistance to function at its optimum performance standards. This means that the ICP has to be mounted closer to the power source than any other piece of equipment, and carry a larger size wire, so that it will have the lowest impedance in the system.

**MUST BE INSTALLED BY
LICENSED ELECTRICIAN**

Unit has taken a catastrophic spike when blue flag appears from under the hood when looking at the unit from the top (See Drawing Below).

Upon Failure, Replace Unit Immediately.



This ICP shows that it has been exhausted, Do Not Attempt To Repair!

Note the flag that has appeared from under the hood!

OTHER MVC PRODUCTS AVAILABLE

| | |
|----------------|-----------------------------|
| ICP-40DC TVSS | 12-24 DC |
| ICP-40DCS TVSS | 12-24 DC Series |
| ICP-110 | 110 VAC |
| ICP-110S | 110 VAC Series |
| MV-100 | 120/240 VAC 1Ø |
| MV-200 | 120/208 VAC 3Ø 4 Wire Wye |
| MV-200N | 120/240 VAC 3Ø 4 Wire Delta |
| MV-200P | 240 VAC 3Ø 3 Wire Delta |
| MV-400 | 277/480 VAC 3Ø 4 Wire |
| MV-400P | 480 VAC 3Ø 3 Wire |
| WS-1500 | 1500 VAC 3Ø 3 Wire Delta |
| WS-2500 | 2500 VAC 3Ø 3 Wire Delta |
| WS-3600 | 3600 VAC 3Ø 3 Wire Delta |
| WS-4160 | 4160 VAC 3Ø 3 Wire Delta |

WS-CUSTOM These units are developed to meet custom specifications. Contact us at 800-583-4773 for your custom needs.



MVC
800 S. Rusk
P.O. Box 8171
Amarillo, TX 79114
800-583-4773
www.maxivolt.com

Voltage impulses, more commonly known as surges and spikes, in the electrical world are defined as over voltage, higher than 170% above nominal voltage, lasting less than 2 seconds.

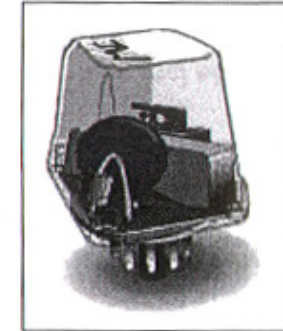
The ICP Series TVSS have a response time of less than a billionth of a second. This eliminates any chance of damage occurring due to transient voltage.

Transients can occur transversely. The ICP Series is designed to work either way. Most protection devices rely on ground, which can restrict performance as well as creating considerable dangers. It is also a potential violation of the National Electrical Code.

MVC SPD's Do Not Rely on Ground!!

Refer to details in the IEEE Paper No. PCIC-99-31.

ICP Surge Protection Device (110VAC & 12-24VDC)



Typical Use:

Control Voltage, PLC's, Logic Controls, Phone Boards, and Individual Circuits.

INSTALLATION INSTRUCTIONS

1. Read Important Information
2. Install the 8-pin socket as close as possible to the power source.
3. Connect pin 7 to phase.
4. Connect pin 2 to neutral.
5. Connect pin 1 to alarm source for remote alarm.

Breaker must be disconnected during installation.

Safety first—Always use voltage meter. "FIRST"! Know Your Voltage

IMPORTANT NOTE:
Pin 1 (Alarm) becomes energized when the unit is exhausted.