

IMPULSE SUPPRESSOR INSTALLATION

Please read completely before starting installation.

PSP-120, Two Way Power Supply Protector

This two-way protector, **PSP-120**, will protect from surges originating from the power line as well as surges attempting to go from your equipment to the power line. The PSP-120 protector is designed to be fast (2nS line to line and 10nS line to ground) and is capable of very high currents (35,000 Amps) using IEEE 8/20 μ S waveform. It should have a long life depending on the number and severity of the surges which it shunts. End of life for the PSP-120 is indicated by an internal short circuit.

This device is only for **120Vac (RMS)** or lower power circuits.

Danger - Disconnect the power cord from the outlet before proceeding with this installation.

Installation:

It is required that an *additional fuse* be electrically located between the power source and the protector as shown in the diagram below. The purpose of the *additional fuse* is to prevent a fire as the protector reaches its end of life. The protector's end of life is characterized as a short-circuit across the AC supply. Replace the protector if the fuse blows frequently.

If your equipment has a fuse smaller than 8 Amps, you may wish to install an *additional fuse* with a rating of 10 to 20 Amps. This will prevent load inrush current from blowing the *additional fuse* yet still provide for safe end-of-life protection.

Solder the protector in place using the green wire for chassis ground and each of the white wires for each side of the transformer or power supply input as shown here. Trim all wires to remove excess length. The shorter the wire, the better the performance of the protector.

