



Installation Instructions

The **SineTamer** suppression unit is **highly dependent** on a proper installation process to achieve the most optimum protection attainable from the harmful aspects of power. **Proper lead length and positioning of the SineTamer must be carefully considered before the unit is mounted and wired into panels to achieve the desired results for all wires from the unit.**

When installing the unit on a power disconnect panel, the supplied 20-inch lead lengths of the factory wiring **must be cut down and reduced to below 8 inches maximum in total length** for all the wires into the connection termination points of either the breakers, the neutral and ground buss bars. These optimally short lead lengths will allow the best possible protection to be realized from the **SineTamer** circuitry. For every 1 inch of extended lead length above 8 inches, will increase the let thru voltage of a transient or lightning strike by approximately 20 to 120 volts, depending on the applied voltage. **This increase in let thru voltage can be extremely important when protecting sensitive equipment, electronics, or for health issues.**

If wiring absolutely must be longer, then multiple twists of all the wires combined must be done from the outlet of the unit to the separation and final cutting points of the wires to make the connection points. This action will lower the impedance value of the wiring to achieve the same results as shorter lengths. Wiring should have no loops, sags or excess wire lengths that are not needed.

An example of proper installations is shown below. For any further questions, please contact us beforehand if any additional information is required.

