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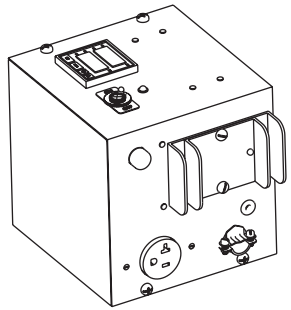
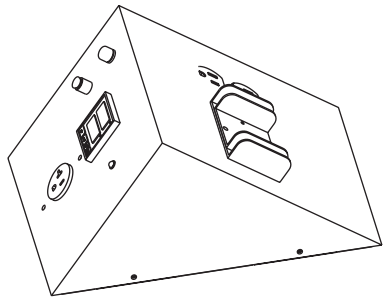
SSR Arrangements using the Giberson Heat Sink:



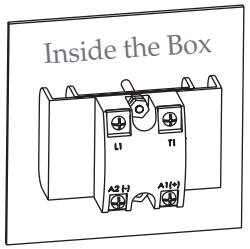
6" Euro Box

The square 6" Euro Box makes a great container for a stand-a-lone controller. Cut one wall out using a skill saw with metal blade. Build your controller completely in the "L" shaped top. Then screw them together. The best part of this design is all the components are together on the "L" top and easy to wire up, even the power lines. In the triangular design to the right I have used the same idea, but without the 6" box. The triangular model sits low on a work desk and fits easy next to a bead kiln or other controlled apparatus. In both of these situations I have placed the Giberson Heat Sink on the outside of the container. I have used aluminum for both of "L" shaped top and the heat sink. Apply the heat transfer paste (WW GRAINGER #4E847 which comes with the Auber kit) between these metal parts. This will help speed the transfer of heat away from the SSR (solid state relay). Apply only on unpainted metal as paint will retard the transmission of the heat.

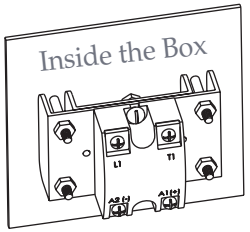


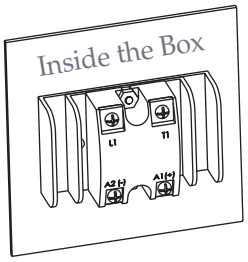
Triangular Shaped Controller

The SSR can also be mounted in a variety of ways on the inside of the controller box as demonstrated by the two images to the right. If you choose to put the heat sink on the inside be sure to make some arrangement to vent heat from the control box using louvers or screening or in some cases using a simple computer fan. The purpose is to keep the heat down in the SSR and in the Auber Controller.

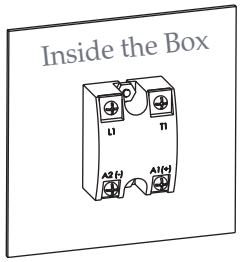


Or





This arrangement to the left is another space saver. It not only uses the heat sink to remove heat but it also transfers a good bit of heat to the outside of the box where it can harmlessly dissipate. Vent the box using little round screen plugs if you use this configuration. Again use the heat transfer paste #4E847 between the SSR and the heat sink and also between the heat sink and metal wall.



This shows the inside and outside of the hookup as is used in the 6" Euro Box configuration and in the Triangular shaped controller shown above.