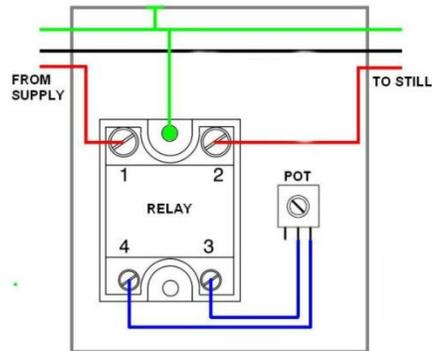


Econobox Build Instructions



Econobox Circuit

Credit to Panda for the drawing.

Step 1. Drill $\frac{1}{2}$ " holes centered around the perimeter of the box. See FIG-1.

Note: the center hole in each end will need to be sized for your cord grip (strain relief fitting)

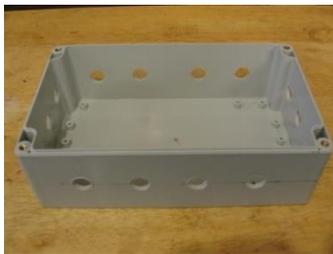


FIG-1

Step 2. You will need approximately 4 to 6 feet of 10/3 service cord. Measure to the center of the cord. Carefully remove 8 to 10 inches of just the outer jacket. See FIG-2



FIG-2

Step 3. Thread the cord through the cord grips as in FIG-3.



FIG-3

Step 4. Cut the black and green wires in the middle. Strip the ends approx. 3/8". See FIG-4 and FIG-5



FIG-4



FIG-5

Step 5. Install yellow ring crimp connectors to each stripped end. Screw one green wire to each end of the SSR ground screws.

Screw the black wire on the right side to terminal #1 on the SSR.

Screw the black wire on the left side to terminal #2 on the SSR.

See FIG-6



FIG-6

Step 6. You will need approx. 6 to 8 inches of 3 conductor wire. 18 to 22 gauge will work fine. In the case of FIG-7, the wire colors are red, black, and green. Your colors may vary.

Strip approx. 3/8" of each wire. With the potentiometer positioned as in FIG-7 , solder one wire to the lug on the left and solder one wire to the lug in the center.

Solder the remaining wire to the ground tab on the potentiometer.



FIG-7

Step 7. Take the wire that was soldered to the lug on the left and install it under terminal #4 on the SSR.

Take the wire that was soldered on the lug in the center and install it under terminal #3 on the SSR.

Take the ground wire from the potentiometer and install on one of the ground screws on the SSR.

See FIG-8



FIG-8

Step10. Mark the top cover 1 inch from the left side and centered top to bottom. Drill a 25/64" hole for the potentiometer. See FIG-9



FIG-9

Step 11. Install the potentiometer with the washer and nut provided and install the knob. See FIG-10.



FIG-10

Step 12. Install power cord ends to fit your needs. Install the male end on the left as shown and install the female end on the right as shown. See FIG-11



FIG-11.

Note: Depending on your situation, a small external cooling fan may be needed.

Courtesy RBS Controls 2013.

Seller not responsible if components are wired improperly.