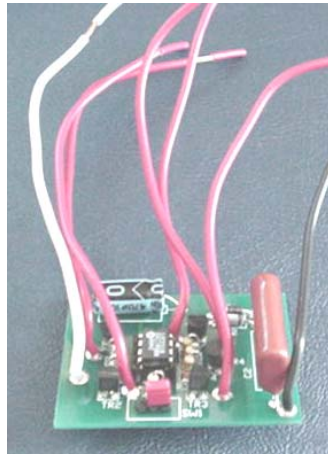


# Candelabra

## Set-up & Operation Manual



Cowlacious Designs  
By Computer & Electronics Services

# Candelabra Circuit Setup and Operation

## □ Step 1.

Strip ½ inch of insulation from the ends of all the wires on the Candelabra circuit board.

## □ Step 2.

Make sure no power is going to the lamp or candelabra that you intend to connect to the candelabra circuit.

## □ Step 3.

Open the lamp or candelabra that you intend to connect to the candelabra circuit. You should see a group of black wires connected together and a group of white wires connected together. Remove the wire nut from the white group of wires. You should see on wire that is solid and the rest will be stranded. The solid wire is the neutral from the voltage supply. The stranded wires are the neutrals from the individual lamp sockets.

**CAUTION:** Make sure you use a polarized plug if you are supplying the power to your lamp or candelabra through a power cord instead of the standard wiring that is in a house. A polarized plug has one prong that is slightly wider than the other. The wider prong is the neutral and should be wired the same as the white wire described above. Remember WIDE = WHITE. It is very important that the polarity of this circuit is correct! If it is not correct the circuit may not work and damage could occur.

## □ Step 4.

Connect the white wire, that is solid, to the white wire from the candelabra circuit board and screw on a wire nut.

## □ Step 5.

Connect each of the remaining white wires, the stranded ones, to a red wire on the candelabra circuit board and screw on the wire nuts. You may want to do this in order so that the lights light up in the order you desire. The lamp socket connected to the red wire closest to Tr1 will light first, then Tr2, then Tr3, etc.

## □ Step 6.

Remove the wire nut from the group of black wires. Connect the black wire from the candelabra circuit board in with all the other black wires and reattach the wire nut.

## □ Step 7.

Set the red header shorting jumper on the two leads that are closest to “SW1” to have the circuit go through its routine and then have the lights stay on. Switch the red

shorting jumper to the other two leads if you want the circuit to go through its routine, stay on for a few seconds and then start all over again.

□ Step 8.

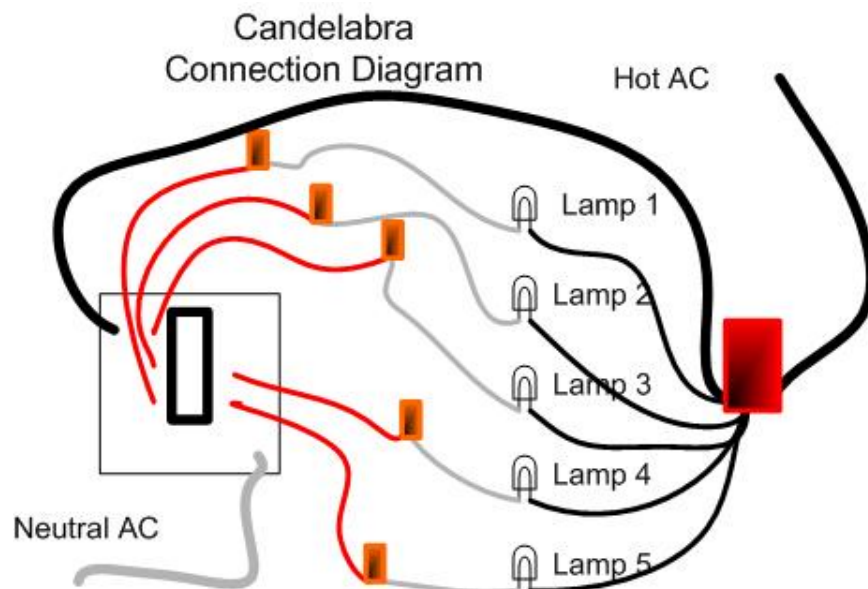
Recheck everything to make sure it is all right.

□ Step 9.

Wrap the circuit board (especially the bottom) with electrical tape to prevent the contacts on the board from touching any metal. You may want to leave room so that you can switch the shorting jumper if you want.

□ Step 10.

Apply power. You should have a couple of seconds delay, then the first light should light, then the second, the third, etc. until all the lights are on. It will then either stay on until power is removed or it will wait a few seconds and start the routine over again, depending on how the red header jumper is set.



## Features:

- Easy to build
- Two different lighting routines to choose from.
- Fun to use

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