

# 12 Volt DC Lamp Dimmer

**EPL1012: LED or Incandescent Bulbs**  
**EPL1012M: Motor Speed Control Option**

- \* Replaces Push-Button Switch
- \* Saves Energy
- \* Cool Operation
- \* Dims up to 60 Watts of LED or Incandescent Lighting
- \* EPL1012M Includes Diode For Motor Speed Control

**Not for use with fluorescent lights.**

## Installation Instructions For Lamps

**Note: Do not twist the knob to remove it! It will break if turned with too much force.**

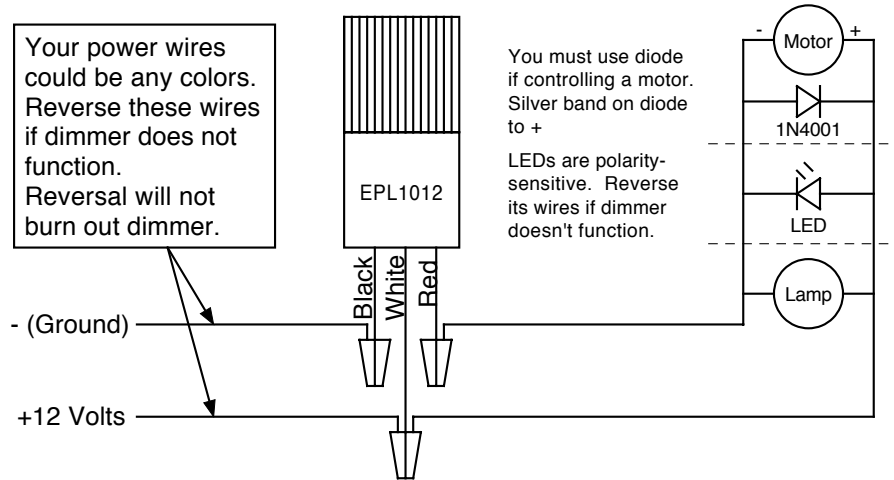
1. Turn off the power to the lamp.
2. Disassemble light fixture to expose wiring.
3. Un-mount the existing switch from the light fixture.
4. Remove the wire-nuts or crimp-ons from all wires.
5. Mount the dimmer in the lamp base using the thumb nut provided. **Pull** knob off shaft for this step.
6. Press the knob onto the shaft. Pressing too far may cause the knob to bind. You may have to rotate the knob slightly to have it slide on easily. The knob should rotate smoothly.
7. Rotate the knob fully counter-clockwise to the off position before continuing with the next step.
8. Connect the RED wire from the dimmer to one of the lamp wires.
9. Connect the BLACK wire from the dimmer to the - Ground wire. (See diagrams on back.)
10. Connect the WHITE wire from the dimmer to the other lamp wire and to the + 12 volt wire.
11. Turn on the power to test the system.
12. Turn on the dimmer to about 1/2 turn of the knob. The light should be dim. If the light does not turn on, reverse the black and white wires.
13. Rotate the knob through its full range and check to see that the lamp goes to full brightness.
14. Re-assemble the light fixture.

## Troubleshooting

1. If the dimmer runs hot to the touch, there is too much load. Use lower wattage bulbs.
2. Use a voltmeter to check the power wires.

The red wire should only be connected to the bulb unless using the alternate hookup for grounded lamps. (See diagram on back)

## Connections For Incandescent Lamp, LED or Motor



## Grounded Incandescent Lamp

