

# INSTALLATION INSTRUCTIONS

## Deluxe Dome Light Dimmer – Part Number 13007

Congratulations on your purchase of this Deluxe Dome Light Dimmer. Adding this dimmer to the dome light adds several features to a standard dome light. When the switched power is off, the dome light will stay on for 10 seconds before fading off. If switched power is on, the dome light will fade off as soon as the door is shut. When switched power is shut off, the dome light will automatically come on. If the door left open for 10 minutes, the dome light will shut off to conserve the battery.

### Parts Included in this Kit

1-Controller Unit  
4-T-taps  
2-Zip-ties

1-Small crimp ring  
4-Male ¼" Connectors

### Mounting the Unit

The Deluxe Dome Light Dimmer may be mounted in any location where the electrical connections are easily accessible. Mounting in a weatherproof location is recommended. Use two self-tapping screws, rivets, or zip-ties through the mounting tabs to securely mount the unit.

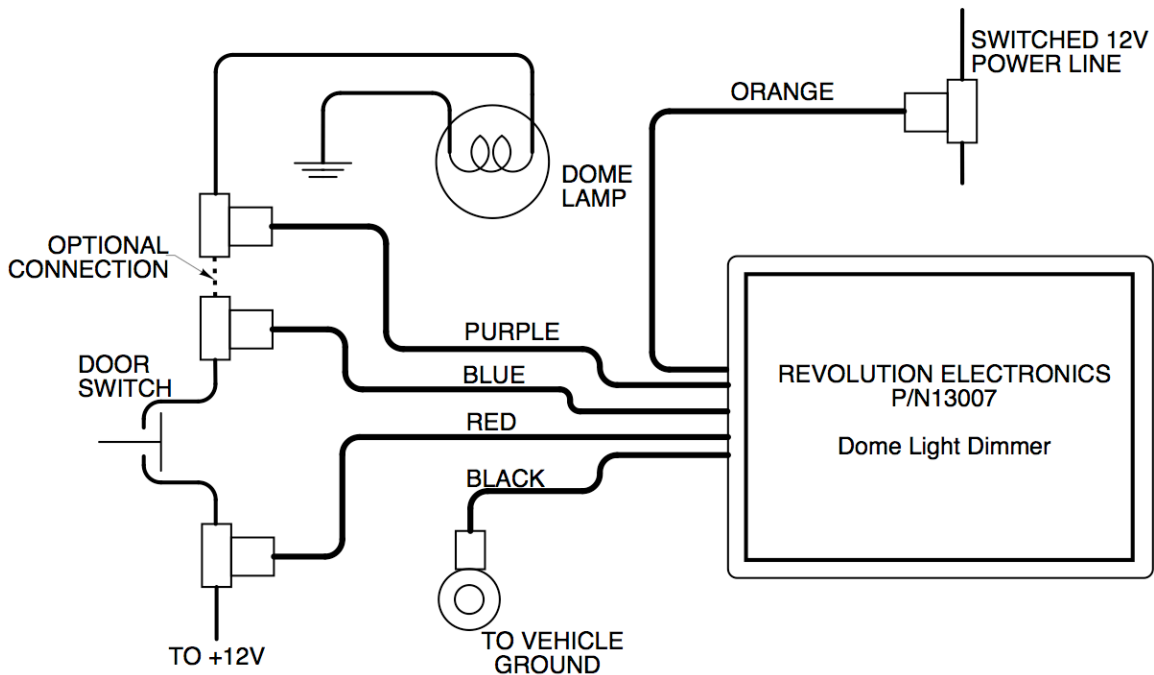


Figure 1

### Electrical Connections

The Dome Light Dimmer needs connections to constant power, switched power, the dome light power wire, the door switch sense line, and a main ground lead. Figure 1 shows a basic schematic of how the unit should be wired.

**Red Wire** - Two wires go to the door switch. One wire has power on it when the door is both open and shut. Determine this with a voltmeter and attach one T-tap to this wire. Connect one of the male connectors to the end of the red wire and insert into the T-Tap. Less than 1/10<sup>th</sup> of an amp will be drawn from this wire to power the delay module.

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**Purple Wire** - Connect this wire to the wire going up to the dome light. Attach a T-Tap to the factory wire. Attach a male connector to the end of the Purple wire and insert into the T-Tap. This wire controls the dome light on and off.

**Orange wire** – Connect this wire to a switched power source. This wire is used to sense if the key has been switched to the “on” position.

**Blue Wire** - Connect this wire to the door switch line. Attach a T-Tap to the same wire you connected the Purple wire to, but “downstream” of the dome light. Attach a male connector to the end of the Blue wire and insert into the T-Tap.

**Black Wire** - Connect this wire to a good vehicle ground. The small ring terminal can be used to attach this wire to a mounting bolt or another source of vehicle ground.

**Optional Connection** – in Figure 1, there is a dotted line between the T-Taps for the Purple and Blue wires. If you place the T-Taps appropriately (one on either side of the factory connector routing a wire up to the dome light), you can remove one of the wires from the connector to sever the signal going directly from the door switch to the dome light. You could just cut the line but it is easier to go back to stock if you remove the wire from the connector. Removing this connection gives the dimmer module complete control of the dome light, allowing it to softly brighten the light when the door opens and to turn off the light if the door is left open too long.

### **Troubleshooting:**

#### **Dome light doesn't dim out, just shuts off:**

- Red wire not connected to the constant power wire.
- Black wire not connected to a good ground source.
- Orange wire not connected to correct wire up to dome light.

#### **Other symptoms and fixes:**

- If the dome light functionality does not seem to change whether the power is on or off, be sure the Orange wire is attached to a good switched-power source.
- If the unit does not seem to be sensing the door opening and closing, check the blue wire connection. A voltmeter on the blue wire should show 0v when the door is closed and battery voltage when the door is open.

### **Warranty:**

All Revolution Electronics products carry a warranty against defects in materials or workmanship for a period of one (1) year from the original retail purchase. Revolution Electronics' liability is strictly limited to the prompt repair or replacement of the defective product. Revolution Electronics shall not be responsible for (a) labor, transportation, or other incidental charges; (b) consequential or other damages incurred by use of any product. Revolution Electronics offers no other warranty beyond this limited warranty. This limited warranty does not apply to products which have been (a) modified or altered in any way; (b) subjected to adverse conditions, misuse, neglect, accident, improper installation or adjustment, contaminants, corrosion, or faulty repair; or (c) used in applications other than those recommended by Revolution Electronics. To initiate a warranty process, the consumer must first contact technical support ([tech@revolutionelectronics.com](mailto:tech@revolutionelectronics.com)) to receive a return authorization number. The product must be returned to Revolution Electronics complete with a dated receipt and a return authorization number.