



LIGHTING PRODUCTS τ PANEL MANUFACTURING τ COCKPIT ACCESSORIES

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**PN: LD115W-2H**

## **Wiring Two Circuit Dimmer with Pre-wired Harness**

Wiring the dimmer with the pre-wired harness will be simple and very quick. Also, the dimmer has been tested numerous times prior to being shipped.

### **POWER INPUT WIRES**

There are two black/white wires. One wire is for the power input for circuit #1 and the second wire is the power input for circuit #2. This allows you to have one lighting circuit wired off a hot buss so you can turn on some lights prior to turning on the master switch. The dimmer can be installed in either a 14V or 28V system.

### **GROUND WIRE**

One black wire is labeled GROUND. Connect this to a solid grounding buss. We discourage using the airframe as a ground, as a ground loop is possible causing noise and static in the intercom system.

### **VARIBLE POWER OUTPUT WIRES**

The red wires are labeled for the various circuits. Connect these to the corresponding lighting circuits. The wire labeling also corresponds to labeling on the potentiometers.

**WARNING:** The power transistors on the heat sink are +voltage and could short if they come in contact with a ground! Use caution to insure heat sinks are mounted properly and that the transistors are shielded during installation!

Use a 2 amp circuit breaker for the power input for circuit #1. Also use a 2 amp breaker for the other power input that controls circuit #2. No single circuit should have more than a 2 amp current draw. Mount the heat sink in an open area to allow for air circulation.

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