



LIGHTING PRODUCTS - PANEL MANUFACTURING - COCKPIT ACCESSORIES

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**PN: LD115W-3H and PN: LD115W-4H**

## **Wiring Multi-Circuit Dimmer with pre-wired harness**

Installing the dimmer with the pre-fab harness is simple and quick. Also, the dimmer has been tested numerous times prior to shipping.

### **POWER INPUT WIRES**

There are two black/white wires. One wire is for the power input for circuit #1 and the second wire is for power input for the remaining circuits. 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 air frame 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 different lighting circuits. The wire labeling 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. A 5 amp breaker can be used for the other power input that controls 2, 3, and 4; HOWEVER 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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