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.

P.O. Box 1563
Chesterfield, VA 23822
Telephone 562-776-9494
sales@sptpanel.com