

## Applications Information:

The IML 10amp Rotary Dimmer (ILDIM-ROT10) and Variable Power Control Dimmers (ILVPC-20 and ILVPC-30) are primarily designed for use as light dimmers in marine and RV applications. They can also be used as motor speed controllers for small DC fans and other small motors. To meet Coast Guard Regulations and ABYC standards, a fuse must be installed. The fuse should be a slow blow fuse rated at the same current rating as the dimmer being installed (see chart below). Do not use fuses larger than the rating of the VPC or Rotary dimmer.

## Installation Instructions:

During installation, turn off the battery charger, and turn off the batteries. Connect the **Black** wire to the ground first, the **Blue** wire to the lamp or motor second, and the **Red** wire to the switch last.

**Warning: Reversing wire polarity will result in permanent damage!**

Turn on power and test the VPC for proper operation. If the lamp turns on and will not dim, check the wiring for errors. The Digital Light Dimmer is **NOT** designed to work without the ground wire; such operation may result in destructive failure of the unit.

