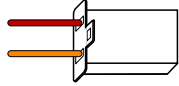
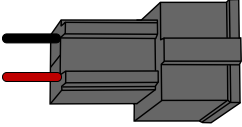
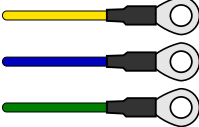
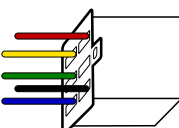
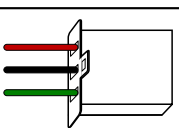
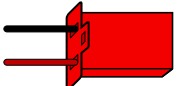
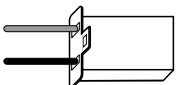
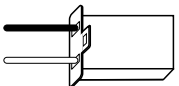
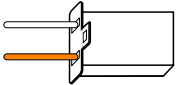
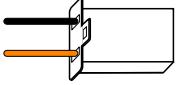


Operating Voltage: 48 Volts DC (Compatible with 48 Volt Sealed Lead-Acid (SLA) Batteries)  
 Power: 1800 Watts (Compatible with 1500-1800 Watt Brushless DC Motors)  
 Current Limit: 37 Amps  
 Low Voltage Protection: 42 Volts  
 Works with Sensored Brushless DC Motors with 120 Degree Phases  
 Runs Motor in Clockwise or Counterclockwise Direction (See Page 2)

|                           |   |   |
|---------------------------|---|---|
| Power Switch Wires        |    | Red to Power Switch Contact<br>Orange to Power Switch Contact   |
| Input Power Wires         |   | Black Wire to Battery Negative -<br>Red Wire to Battery Positive +  |
| Motor Phase Wires         |  | Yellow to Yellow Motor Phase U Wire<br>Blue to Blue Motor Phase V Wire<br>Green to Green Motor Phase W Wire   |
| Motor Hall Sensor Wires   |  | Red to Red Motor Hall Wire +5V<br>Black to Black Motor Hall Wire Negative<br>Yellow to Yellow Motor Hall U Wire<br>Green to Green Motor Hall V Wire<br>Blue to Blue Motor Hall W Wire |
| Throttle Wires            |  | Red +5 Volt Output<br>Black Negative<br>Green 1-4 Volt Signal Input   |
| † Charger Port Wires      |  | Black to Charger Port Negative<br>Red to Charger Port Positive  |
| †* Speed Limiter Wires    |  | Gray to Speed Limiter Switch Contact<br>Black to Speed Limiter Switch Contact   |
| † Brake Switch Wires      |  | Black to Brake Switch Contact<br>White to Brake Switch Contact  |
| † Brake Light Wires       |  | White to Brake Light Negative<br>Orange to Brake Light Positive   |
| † Battery Indicator Wires |  | Black to Battery Indicator Negative<br>Orange to Battery Indicator Positive   |

† Optional Connections: These wires do not need to be connected for the controller to operate.

\* When speed limiter wires are connected together the controller is in reduced power output mode.

# SPD-481800BLDC-SLA

## How To Change Motor Direction

