

Operating Voltage: 48 Volts DC (Compatible with 48 Volt Battery Packs)
Power: 1800 Watts (Compatible with 1500-1800 Watt Brushless DC Motors)

Current Limit: 37 Amps

Low Voltage Protection: 37 Volts

Works with Sensored Brushless DC Motors with 120 Degree Phases Runs Motor in Clockwise or Counterclockwise Direction (See Page 2)

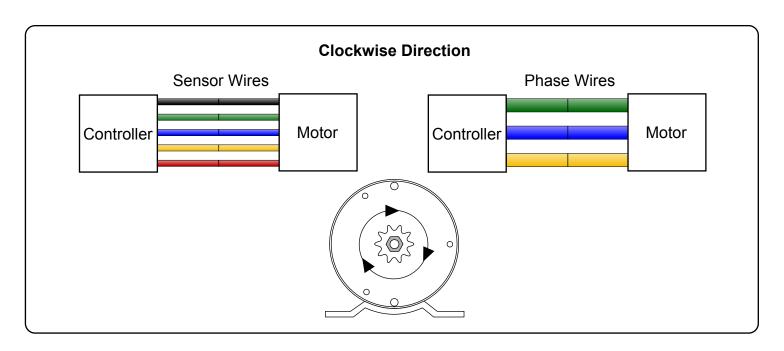
Runs wotor in Clockwise of Counterclockwise Direction (See Page 2)	
	Red to Power Switch Contact Orange to Power Switch Contact
	Black Wire to Battery Negative - Red Wire to Battery Positive +
	Yellow to Yellow Motor Phase U Wire Blue to Blue Motor Phase V Wire Green to Green Motor Phase W Wire
	Red to Red Motor Hall Wire +5V Black to Black Motor Hall Wire Negative Yellow to Yellow Motor Hall U Wire Green to Green Motor Hall V Wire Blue to Blue Motor Hall W Wire
	Red +5 Volt Output Black Negative Green 1-4 Volt Signal Input
	Black to Charger Port Negative Red to Charger Port Positive
	Gray to Speed Limiter Switch Contact Black to Speed Limiter Switch Contact
	Black to Brake Switch Contact White to Brake Switch Contact
	White to Brake Light Negative Orange to Brake Light Positive
	Black to Battery Indicator Negative Orange to Battery Indicator Positive

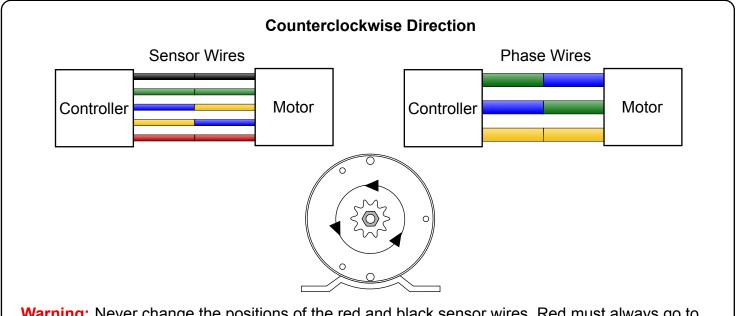
<sup>†</sup> Optional Connections: These wires do not need to be connected for the controller to operate.

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

## **SPD-481800BLDC-SL**

How To Change Motor Direction





**Warning:** Never change the positions of the red and black sensor wires. Red must always go to red and black must always go to black otherwise damage to the motor will occur.