

Wiring Directions

Model: 24 Volt 500 Watt Brushless Motor Controller
Type: Sensor/Sensorless 120 degree / 60 degree

Parameters:

Voltage: 24 Volts DC
 Power: 500 Watts
 Current Limit: 30 Amps
 Low Voltage Protection: 21.5 Volts

Wiring Directions:

Power	Thick Red > +24V DC		Brake (low)	White > Signal Low
	Thick Black > GND			Black > GND
	Thin Purple > Power On/Off		Brake (high)	Single Yellow > Signal High
Motor	Phase (thick)	Yellow > U		Cruise Control
		Blue > V	Black > GND	
		Green > W		
	Sensor (thin)	Red > +5V	Speedometer	
		Black > GND		
		Yellow > U		
		Green > V		Single Green > S+
	Blue > W			
Throttle (White Connector)	Red > +5V		Battery Indicator	Single Purple > + 24V
	Green > Send			Black > GND
	Black > GND			
PAS (Black Connector)	Red > +5V			
	Green > ZL			
	Black > GND			

Notes:

- 1: Black > GND wires can be bridged to the Power Thick Black > GND wire.
- 2: Only the Power, Motor, and Throttle connections are required for operation. All other connections are optional.