

Wiring Directions

Model: 48 Volt 350 Watt Brushless Motor Controller
Type: Sensor/Sensorless 120 degree / 60 degree

Parameters:

Voltage: 48 Volts DC
 Power: 350 Watts
 Current Limit: 17 Amps
 Low Voltage Protection: 42 Volts

Wiring Directions:

Power	Thick Red > +48V DC		Brake (low)	White > Signal Low
	Thick Black > Ground			Black > Ground
	Thin Purple > Power On/Off		Brake (high)	Single Yellow > Signal High
Motor	Phase (thick)	Yellow > U		Cruise Control
		Blue > V	Black > Ground	
		Green > W		
	Sensor (thin)	Red > +5V	Three Speed	Orange > K1
		Black > Ground		Black > Ground
		Yellow > U		Blue > K2
		Green > V	Speedometer	Single Green > S+
Blue > W				
Throttle (White Connector)	Red > +5V		Reverse	
	Green > Send			
	Black > Ground		Battery Indicator	Single Purple > + 48V
PAS (Black Connector)	Red > +5V			Black > Ground
	Green > ZL		Speed Limiter	Thin Blue > Thin Blue
	Black > Ground			

Notes:

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