

Wiring Directions

Model: 36 Volt 750 Watt Brushless Motor Controller
Type: Sensor/Sensorless 120 degree / 60 degree

Parameters:

Voltage: 36 Volts DC
 Power: 750 Watts
 Current Limit: 30 Amps
 Low Voltage Protection: 31.5 Volts

Wiring Directions:

Power	Thick Red > +36V 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	Three Speed	Orange > K1
		Black > GND		Black > GND
		Yellow > U		Blue > K2
Green > V		Speedometer	Single Green > S+	
Blue > W	Reverse		Brown > Signal	
Throttle (White Connector)		Red > +5V		Black > GND
	Green > Send		Battery Indicator	Single Purple > + 36V
	Black > GND			Black > GND
PAS (Black Connector)	Red > +5V			
	Green > ZL			
	Black > GND			

Notes:

- 1: The Thin Purple > Power On/Off wire needs to be connected to Thick Red > +36V DC wire to turn the controller on. A power switch is usually installed between the Thin Purple > Power On/Off wire and the Thick Red > +36V DC wire to turn the controller on and off.
- 2: Black > GND wires can be bridged to the Power Thick Black > GND wire.
- 3: Only the Power, Motor, and Throttle connections are required for the motor to operate. All other connections are optional.