

BSC151-050301 Brushless Speed Controller



FEATURES

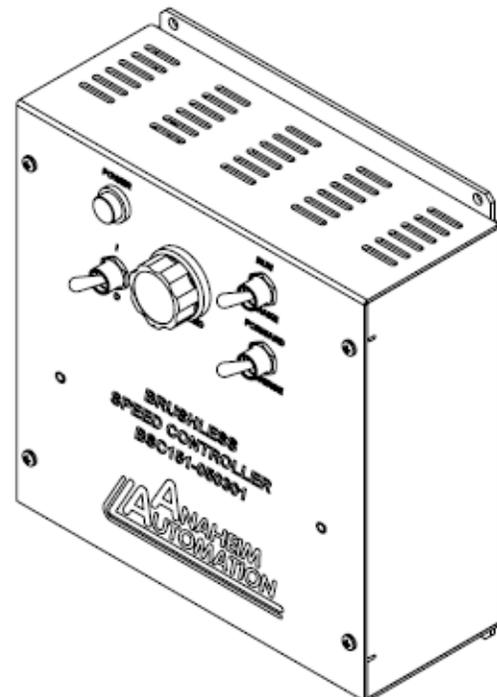
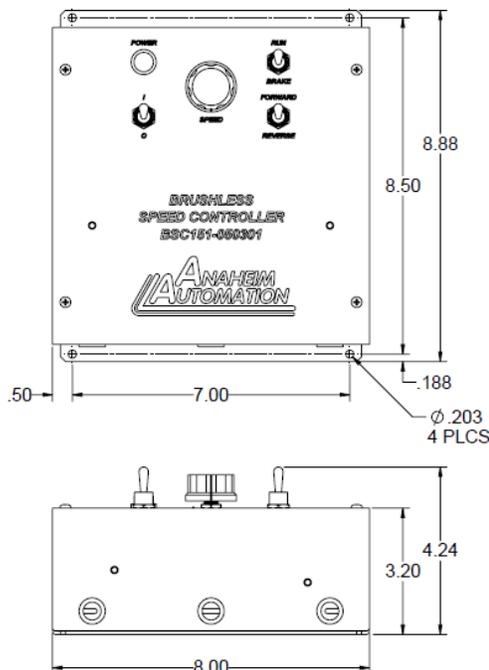
- **Maximum Current Limit Setting from 10-30Amps**
- **Potentiometer Speed Control**
- **Integrated Power, Brake and Direction Switches**
- **2-Quadrant Operation**
- **Hall Sensor Feedback**
- **Constant Velocity Mode**
- **Short-Circuit Protection**
- **Requires 20-50VDC**
- **Selectable Ramp Up Times**
- **RoHS Compliant**



DESCRIPTION

The BSC151-050301 is a speed controller that has integrated easy to use user controls and the MDC151-050301 driver, and is designed to drive DC brushless motors at currents of up to 30A (peak) and 50V. Using hall sensor feedback, a constant velocity mode can be achieved. The driver is protected against over current (cycle-by-cycle or latched), hall sensor error and under voltage. When an error occurs, a fault output is turned on to notify the user. Included on the driver is an internal potentiometer to control the maximum phase current allowed into the motor, a closed loop compensation control, and ramp rate controls. In addition, there are integrated control switches for power, direction, Run/Stop, and a speed control potentiometer to adjust the motor speed mounted for easy user interface.

DIMENSIONS



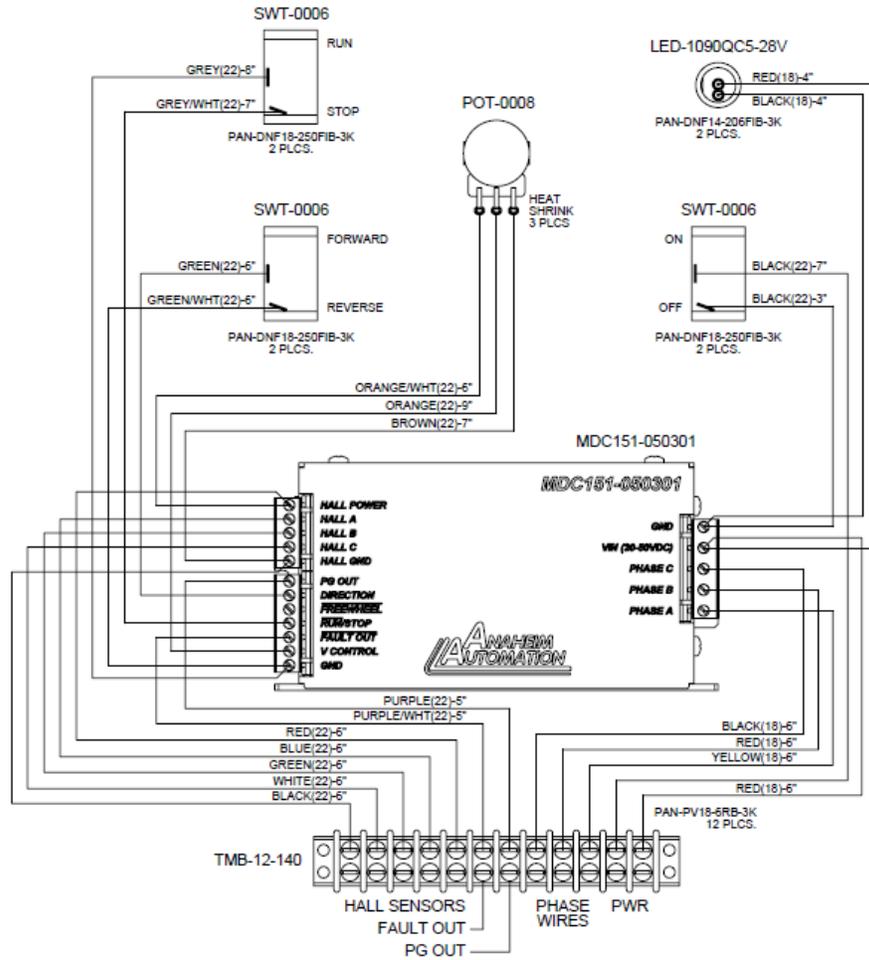
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All units are in inches

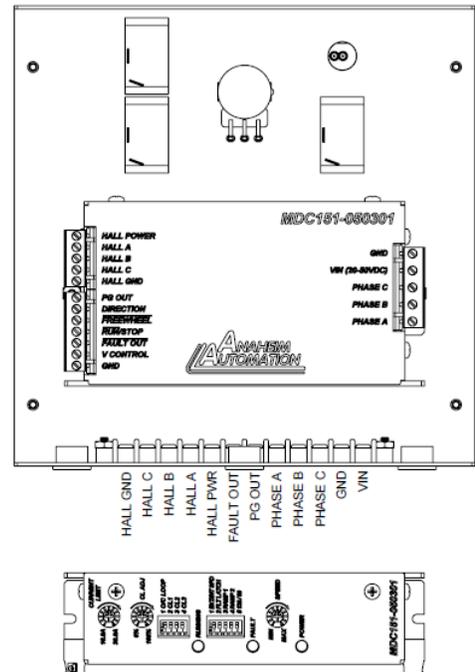
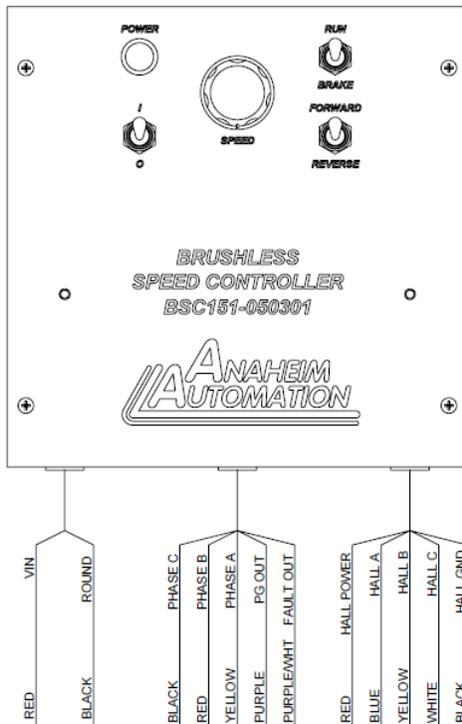
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WIRING INFORMATION



HOOK UP DIAGRAM



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