

General purpose brushless drive

BC10A

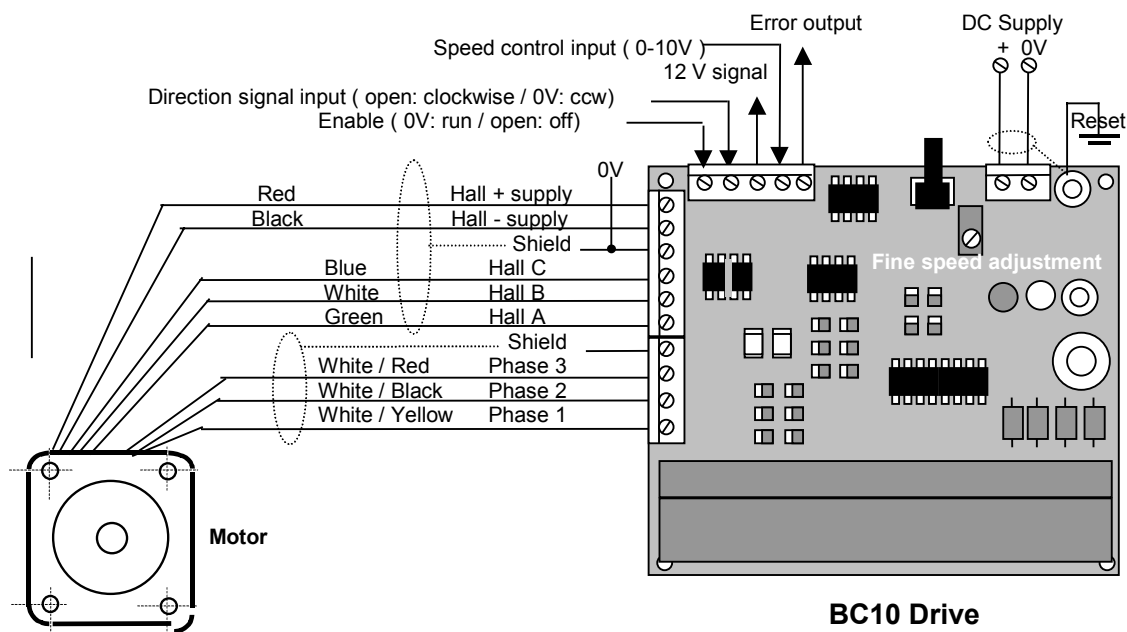
Description

The BC10A brushless drive module provides two quadrant variable speed control of the BM05 & BM08 brushless motors. The unit operates in conjunction with hall effect commutation and offers the following control features:

- Single rail supply from 18-57 Vdc
- Continuous output current up to 10 Amps
- Variable speed control proportional to a 0-10V control signal
- On-board trimmer for zero speed off-set
- External switched control of direction of rotation
- Rapid motor acceleration and braking
- Protection against under-voltage, over current and over temperature
- Simple cold surface mounting and connection via screw terminals



Connections



Specification

Supply Voltage	48 Vdc
Absolute Supply Voltage range	18 –57 Vdc
Number of output phases	3
Maximum Output Current / phase	10 Amps
External speed control signal	0-10 V
On-board speed control	Trim potentiometer
Speed control	Proportional
Logic Inputs	Enable
	Motor direction
Diagnostics via	on-board LED
LED illuminated under following conditions:	Over-temperature
	Under /over voltage
	Short circuit
	Over-load
Protection	Under voltage
	Over temperature
	Over-load
Max Working temperature	70 degrees C

Dimensions: mm

