

DC Motors

BLC10A

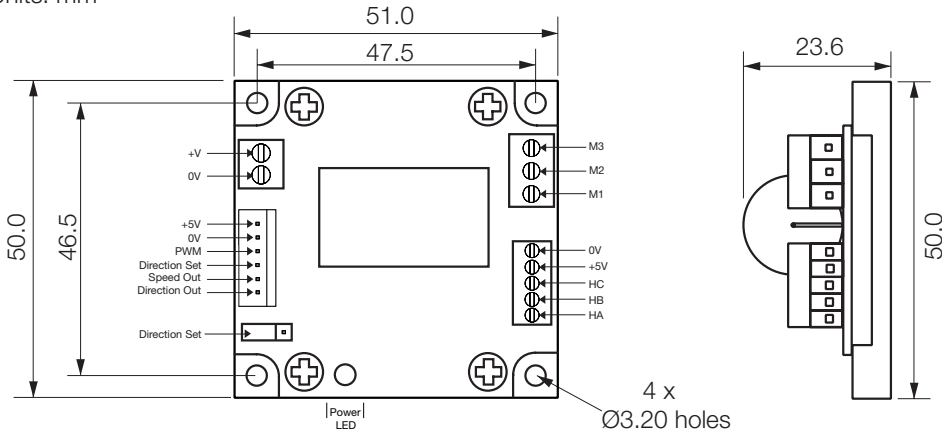
Issue 03

The Rotalink BLC10A board is a simple brushless motor commutator capable of driving brushless motors with hall effect sensors up to 240W.

The board provides an input to set motor direction, PWM input for setting motor speed and outputs to monitor direction and speed (via a tacho output).

A 'jumper' is provided to enable direction setting in standalone mode.

Units: mm



General Specification

Min Input	10vdc
Max Input	36vdc
Load	10A
Max Power	240W
Weight	approx. 50g
Connectors	Screw terminals for motor/power connection 0.1" header for I/O

I/O Specification

+5V	5 volt supply for I/O (all I/O operate at 5V).
0V	0 volt supply for I/O.
PWM	20-50kHz PWM signal can be used to control motor speed.
Direction Set	Change in logic state (i.e. 5V to 0V) results in motor direction reversed.
Speed Out	Change in logic state on each motor commutation point.*
Direction Out	Change in logic state on direction change.*

*requires customer sources 4K7Ω pull up resistor

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