LIN ENGINEERING
MOTOR SPECIALISTS IN MOTION
A MOONS' COMPANY

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This Driver is Designed to Operate:



Motor Part Number	BL34E34-01

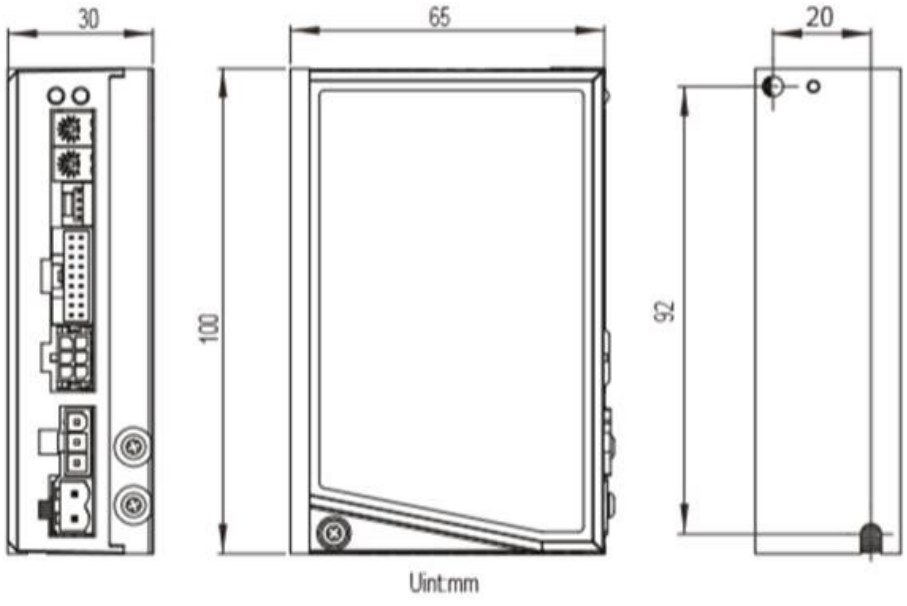
SPECIFICATIONS

Part Number	**BLDC100-BL34E34-01**
Supply Voltage	24 - 48 VDC
Output Current	0.1 - 10.0 A/Phase
Communication Port	RS-232
Status LEDs	1 Red, 1 Green
Digital Inputs	8
Digital Outputs	2
Analog Inputs	1
Under Voltage Protection	8.5 V
Input Signals Voltage	5 - 28 V
Speed Range	150 - 4500 RPM
Rated Velocity Error	+/- 0.5 %
Weight	6 oz

OPERATING CONDITIONS

Ambient Temperature	0 to 40 °C
Storage Temperature	-10 to 70 °C
Humidity	90% (Non-Condensing)

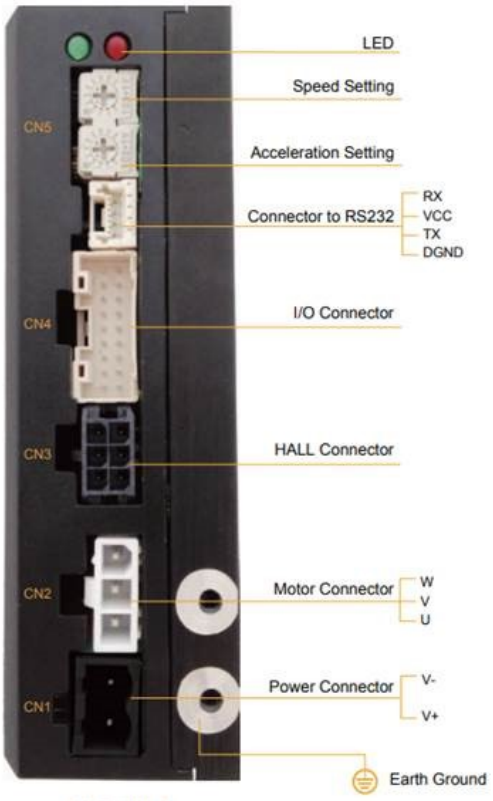
DIMENSIONS



INPUT/OUTPUT SPECIFICATION

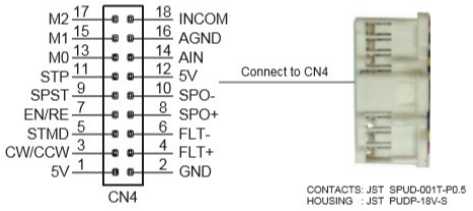
PIN NUM	SIGNAL TYPE	SIGNAL NAME		FUNCTION
		BASIC	GENERAL	BASIC
1	POWER SUPPLY	+5V USER		The drive provides users with up to 100mA +5V supply
2		GND		External control signal GND
18		INCOM		External opto-coupler power input (common anode or common cathode connection can dial to select)
3	INPUT	CW/CCW	X1	Clockwise/Counter Clockwise Select
5		STMD (STOP MODE)	X2	Stop mode choice input
7		EN/RE (Enable/Reset)	X3	Motor enable/disable. It can be used for alarm reset as well.
9		SPST (SPEED-SET)	X4	Internal/external speed-set choice
11		STOP	X5	The electromagnetic brake operation is selected when the motor is stopped.
13		M0	X6	For multi-speed operation, the M0, M1, M2 signals are used in combination.
15		M1	X7	
17		M2	X8	
12	ANALOG INPUT	Analog VCC	-	Using external speed potentiometer setting speed
14		Analog In	-	
16		Analog GND	-	
4	OUTPUT	Fault+	Y1+	Fault output
6		Fault-	Y1-	
8		Speed Out+	Y2+	6 pulses are output per each rotation of the motor output shaft. It can be changed by BLD configurator.
10		Speed Out-	Y2-	
-		MOVE	-	This signal is output during motor rotation.
-		VA	-	Output a signal as speed achieved
-		Fault2	-	This signal is output when the overload warning level is exceed when the overload warning function is set to enable. In addition, also outputs if an overload alarm is generated even when the overload warning function is set to disable (normally closed).
-		Warning	-	This signal is output if a warning is generated (overload warning function is activated)While, it turns OFF if the warning is released.
-		TLC	-	This signal is output when the motor output-torque reaches the torque limiting value.
-		IDLE	-	Configuring as general output

INTERFACE LAYOUT



BLD5/10-A

I/O CONNECTOR DIAGRAM



Motion Control, Solved.

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Optimized For Your Application

Quick Prototype Turnaround

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