LIN ENGINEERING
MOTOR SPECIALISTS IN MOTION
A **MOONS'** COMPANY

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SPECIFICATIONS

Part Number	**BLDC50-BL17E28-01**
Supply Voltage	24 - 48 VDC
Output Current	0.1 - 5.0 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

This Driver is Designed to Operate:

Motor Part Number	BL17E28-01

OPERATING CONDITIONS

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

DIMENSIONS

Uint:mm
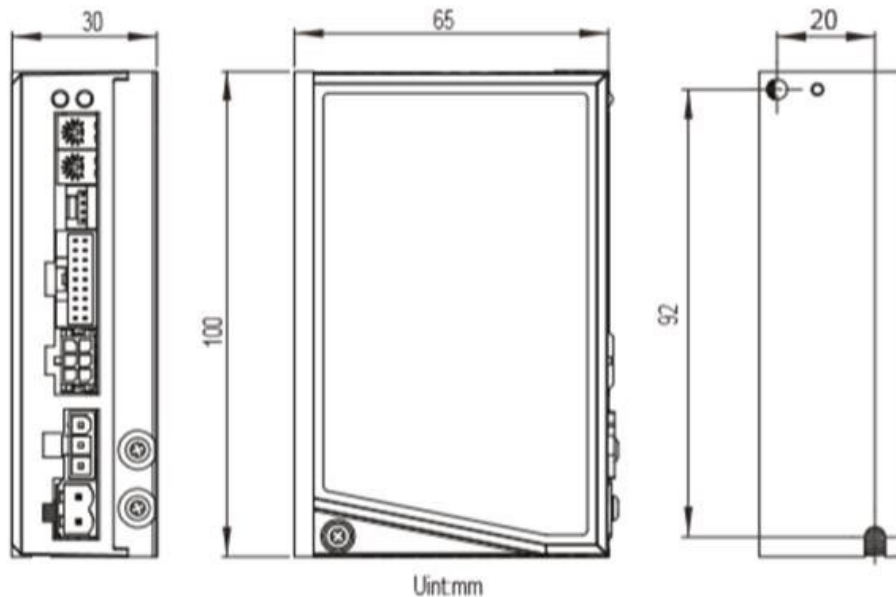
INPUT/OUTPUT SPECIFICATION

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

INTERFACE LAYOUT

BLD5/10-A

I/O CONNECTOR DIAGRAM

CONTACTS: JST SPUD-001T-P0.5
HOUSING : JST PUDP-18V-S
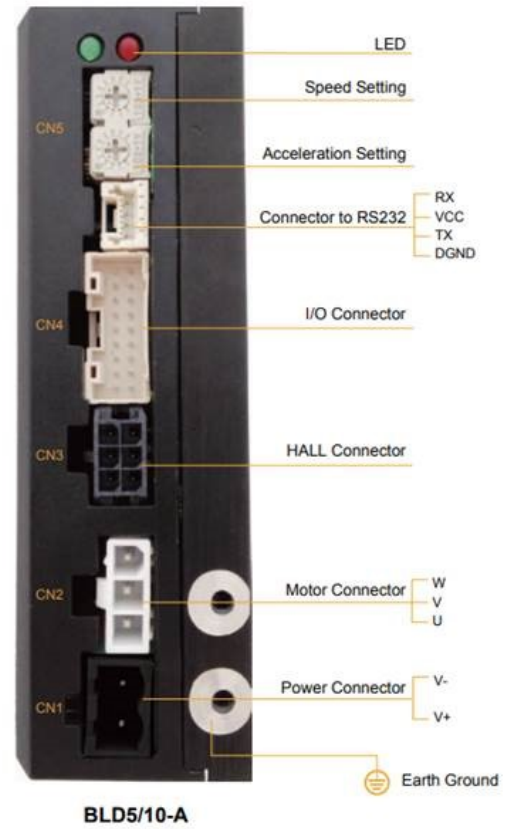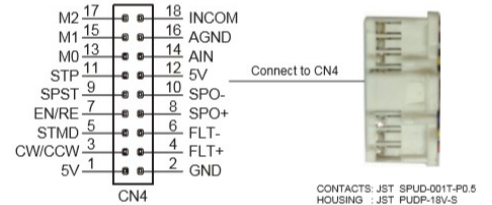
Motion Control, Solved.

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