

EA-BLDC10-200-H-DX



Features

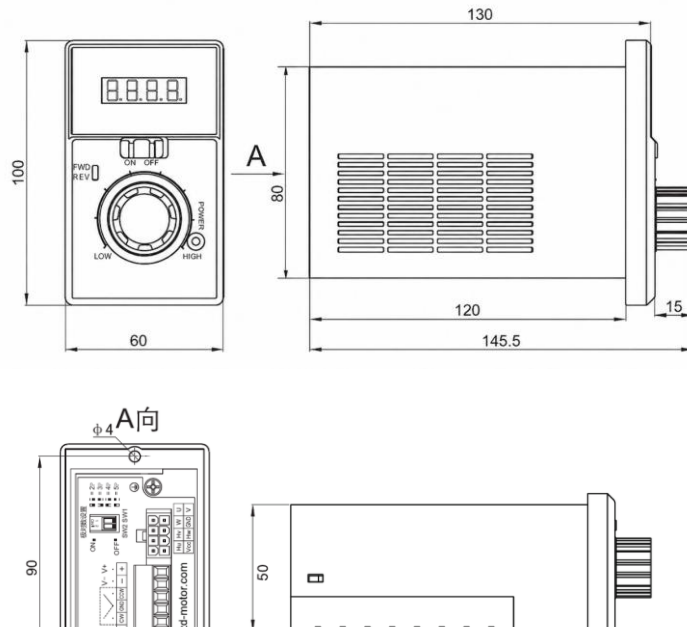
- Digital display Uses a 4-digit digital tube display: operating status, set speed, running speed, and fault indication.
- Stable operation Closed-loop speed control (control accuracy +/-0.5%).
- Input / Output 2 groups of NPN digital input ports (forward and reverse); 1 open-drain digital output port; extended 3 NPN digital input ports, 1 analog input port and 1 RS485 communication port.
- Speed setting Set the running speed with the panel knob, external analog input, or communication setting.
- Complete fault detection and protection Provides undervoltage, overvoltage, overcurrent, overload, stall, short circuit, phase loss, overtemperature and other fault detection/protection. After a fault occurs, the driver performs the corresponding protective action; fault information is shown on the digital display.

Product Model

EA-BLDC10-200-H-DX

① ② ③ ④ ⑤

Mark	Description	Content
1	Company	EA : Misumi
2	Type	BLD: Brushless Motor Driver
3	Series	C10: C10 Series
4	Power	200: Max. output power 200W
5	Attribute	L: DC24V~48V H: High voltage AC220V D: Digital display R: RS485 communication X: Extended function



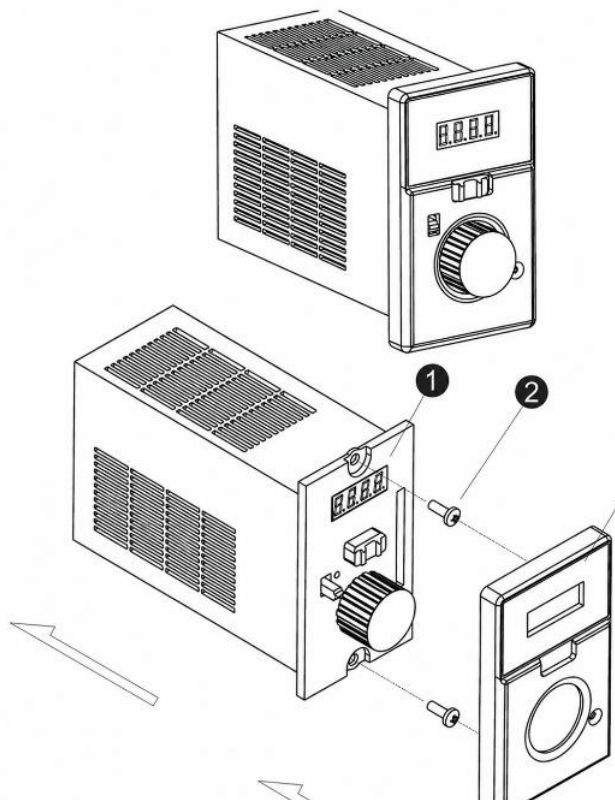
Environmental Requirements

Ambient Temp	-10°C~+40°C (no condensation)
Humidity	<=85% (no condensation)
Altitude	<=1000 m
Vibration	No continuous vibration or excessive shock
Protection	IP20

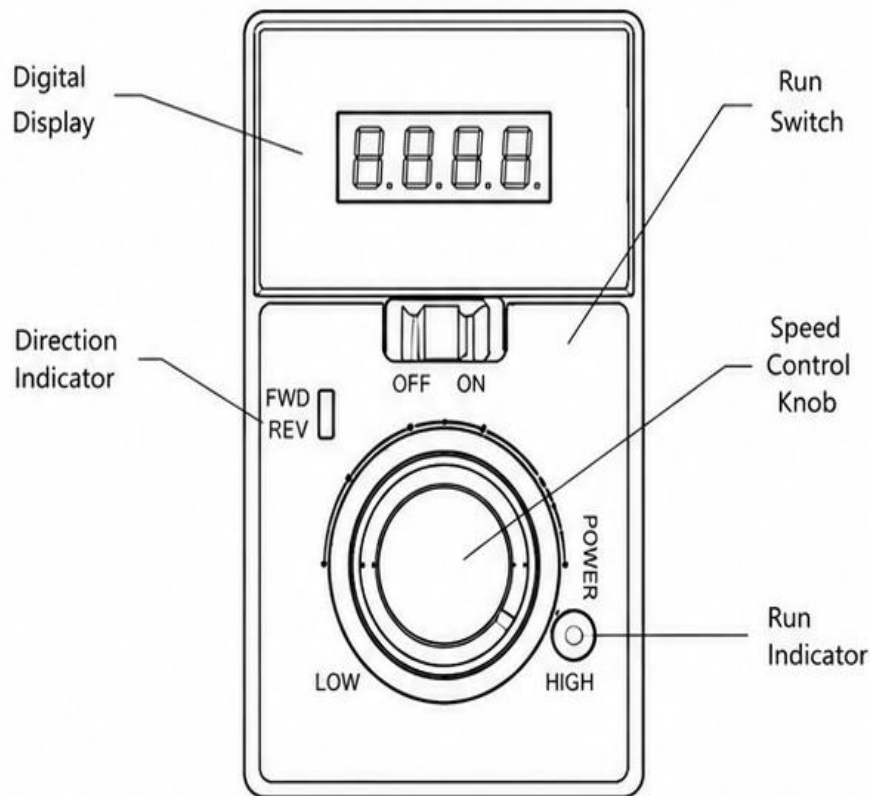
Installation & Fixing

Installation Steps

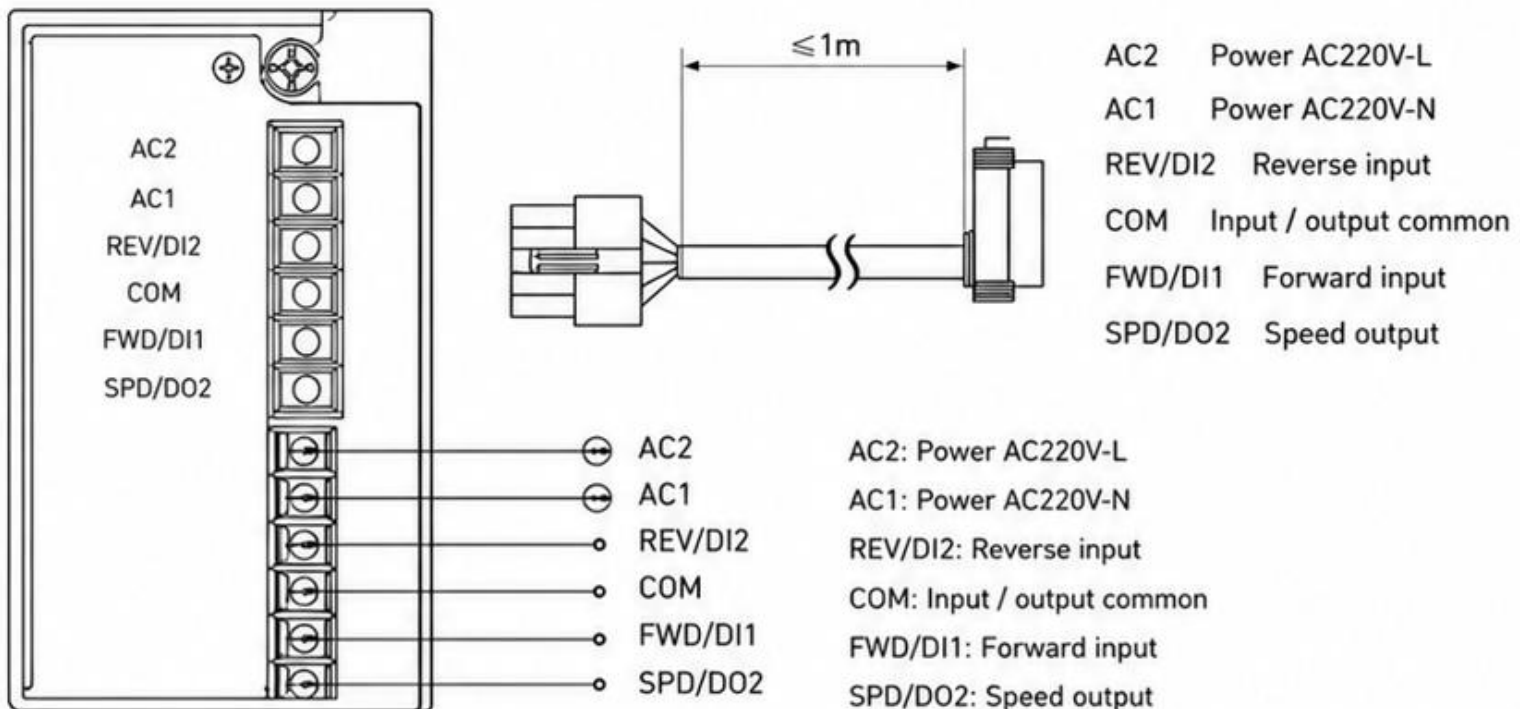
1. Open the panel (3).
2. Insert driver body (1) into the fixing position.
3. Fasten with M4 countersunk screws (GB68-85) (2).
4. Press panel (3) until it is in place as shown.



Do not use in explosive, flammable, corrosive, or water-contact environments. Otherwise explosion, injury, or fire may occur!



Connection & Operation



Notes:

- Use the specified cable and keep the wiring length within 1 meter.
- Before power-on, please check the wiring carefully to avoid damage to the controller.

Driver DIP Switch Setting

SW2: AI1 = OFF / AI2 = ON

SW3: Internal = OFF / RS485 = ON

SW4/SW5: Pole-pair matching

Baud rate: 19200 bps, 8-N-1

Slave address: 01

DIP SWITCH SETTINGS

SW2	AI1	AI2
Function	OFF	ON
Setting	AI1 = OFF	AI2 = ON

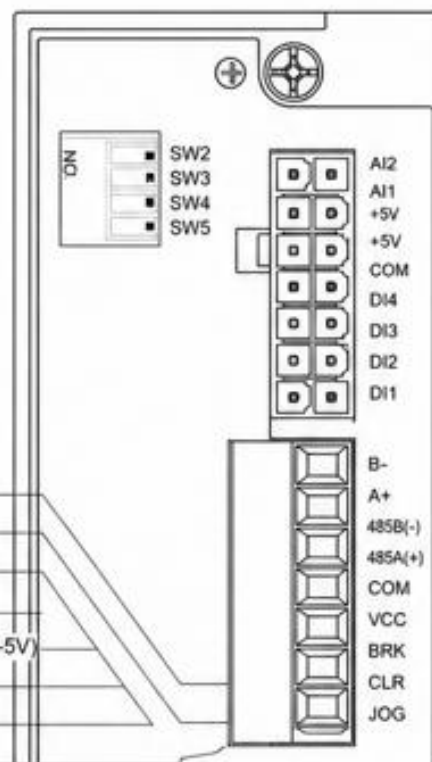
SW3	Internal	RS485
Function	OFF	ON
Setting	Internal = OFF	RS485 = ON

SW4	SW5	Pole-pair Matching			
		ON	OFF	ON	OFF
		ON	ON	OFF	OFF
Poles		2 poles	4 poles	6 poles	8 poles

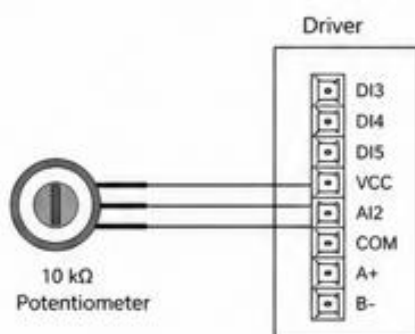
Terminal Functions

Digital Input	JOG/DI3
	CLR/DI4
	BRK/DI5
Power Output	VCC
	+5V
Analog Input	AI2
	COM
Communication	485A(+)
	485B(-)

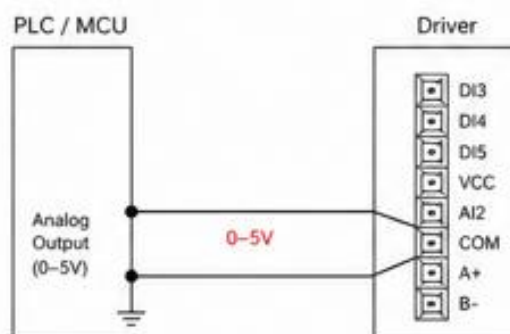
JOG/DI3	Jog
CLR/DI4	Fault reset
BRK/DI5	Brake
VCC	+5V output
AI2	Analog input (0-5V)
COM	Common
485A(+)	RS485 A
485B(-)	RS485 B



1. Driver – Potentiometer Wiring Diagram



2. Driver – PLC Analog Input Wiring Diagram



3. Driver – PLC Digital Input Wiring Diagram

