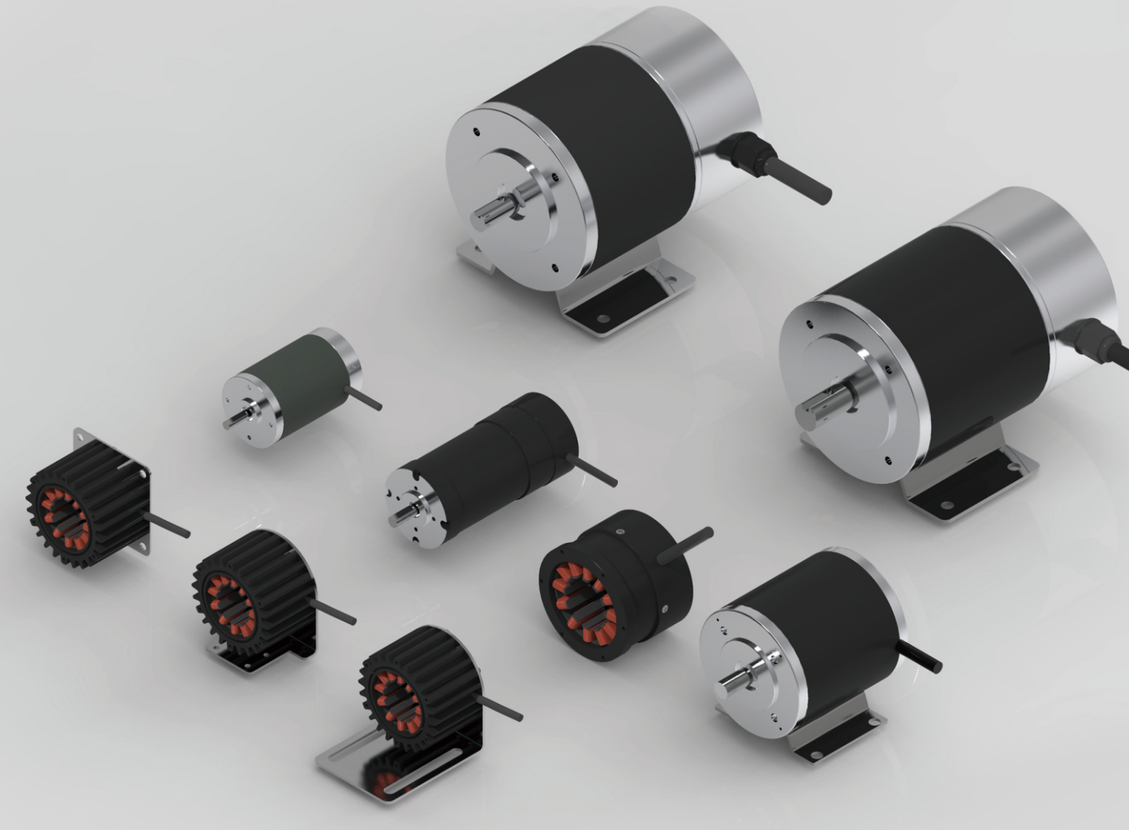
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Attentively focus on each precision gear pump

■ SHANGHAI JONSN FLUID EQUIPMENT CO·,LTD

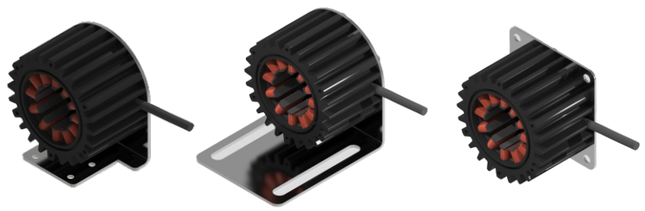
Address: Room 403, Building 3, No.59 Jinma Rd, Economic & Development District, Songjiang Area, Shanghai, China
Tel: 021-34720020 Fax: 021-67689517
Website: www.jonsn.cn Email: lijun@jonsn.cn

■ JONSN (GANZHOU) FLUID TECHNOLOGY CO·, LTD

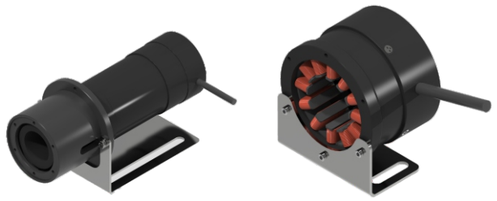
Address: Workshop 2, No. 6 Jingsan Rd, Economic & Development District, Ganzhou City, Jiangxi Province, China
Website: www.jonsn.com
Email: sales@jonsn.com (International department)

BLDC Motor

operating manual



40-70W



100-120W-150W



200-300-400W



600W-1000-1500-2000W

Basic parameters

Voltage	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC48V	DC48V	DC48V
Power	40W	70W	100W	150W	300W	400W	600W	1000W	1000W	1500W	2000W
Speed Control	analog quantity 0-5V/PWM										
Speed adjustment range	500~4000rpm Other rotational speeds can be customized										
Starting voltage	0.5V										
Insulation level	F-level										
Ambient temperature	-40~60℃										
Locked rotor protection	locked-rotor current 3A	locked-rotor current 3A	locked-rotor current 4A	locked-rotor current 5.5A	locked-rotor current 12A	locked-rotor current 16A	locked-rotor current 25A	locked-rotor current 41A	locked-rotor current 20A	locked-rotor current 31A	locked-rotor current 41A
Over temperature protection	√	√	√	√	√	√	√	√	√	√	√

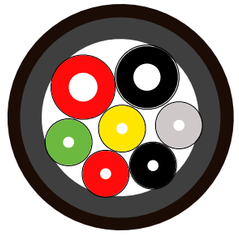
Protection function

Locked rotor protection	When starting the motor, if it encounters faults such as pump overpressure and jamming, the motor will stop immediately. It is necessary to eliminate the faults before restarting the power supply to release the protection.
Over temperature protection	When the temperature of the motor driver exceeds 130°C, the machine will stop for protection. After the driver has cooled down, the protection will be released and the machine will be restarted.

Note

1. The green line is the input of the speed regulation signal, and the input voltage must not be higher than 5V (or the equivalent voltage of the PWM duty cycle), otherwise it will cause driver failure;

2. The yellow line is the output line of the speed pulse signal, and no charged signal can be input, otherwise it will cause the failure of the speed feedback function.

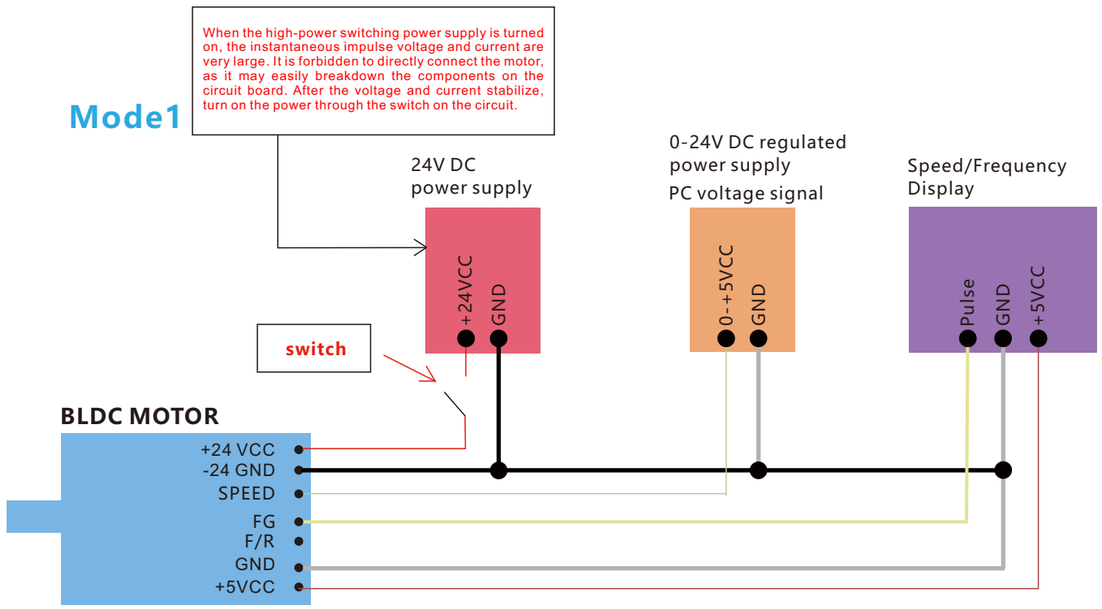


Power cord definition

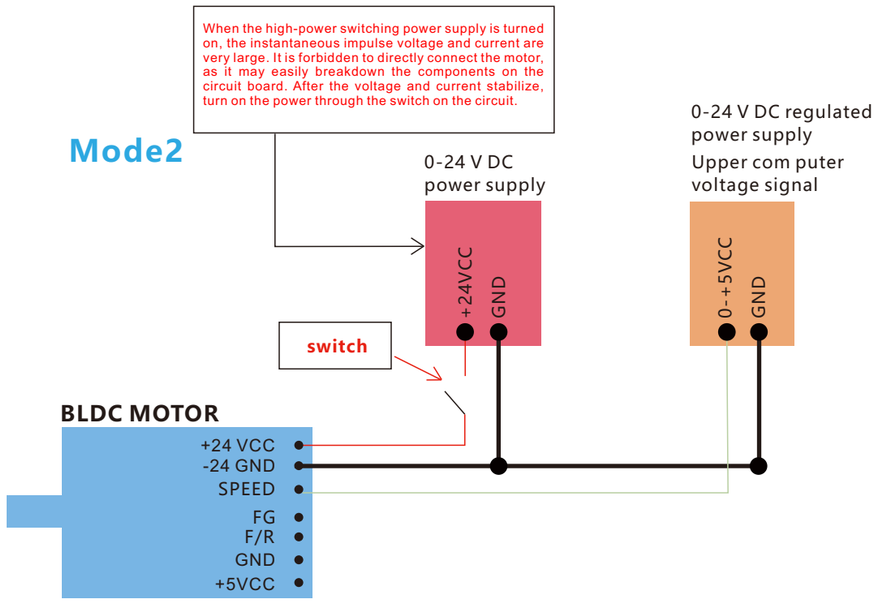
Red line Vcc+	Power supply 24V+ input
Black line GND V-	GND common terminal, 24V-, speed control voltage V-, speed feedback instrument V-
Green line	0-5V+ or PWM speed regulation signal input
Yellow line	Speed pulse signal output (the motor outputs 2 pulses per revolution)
White line	Forward and reverse control line, default, disconnect for forward rotation, and connect to GND (wire grounding terminal) for reverse rotation.
Red thin line	5V output (reserved for potentiometer knob speed control method, when the potentiometer is not used, ensure good insulation isolation to avoid touching other wires and causing faults).
Black thin line	GND common terminal (reserved for potentiometer knob speed control method, when the potentiometer is not used, ensure good insulation isolation to avoid touching other wires and causing faults).

Brushless motor Wiring Instruction

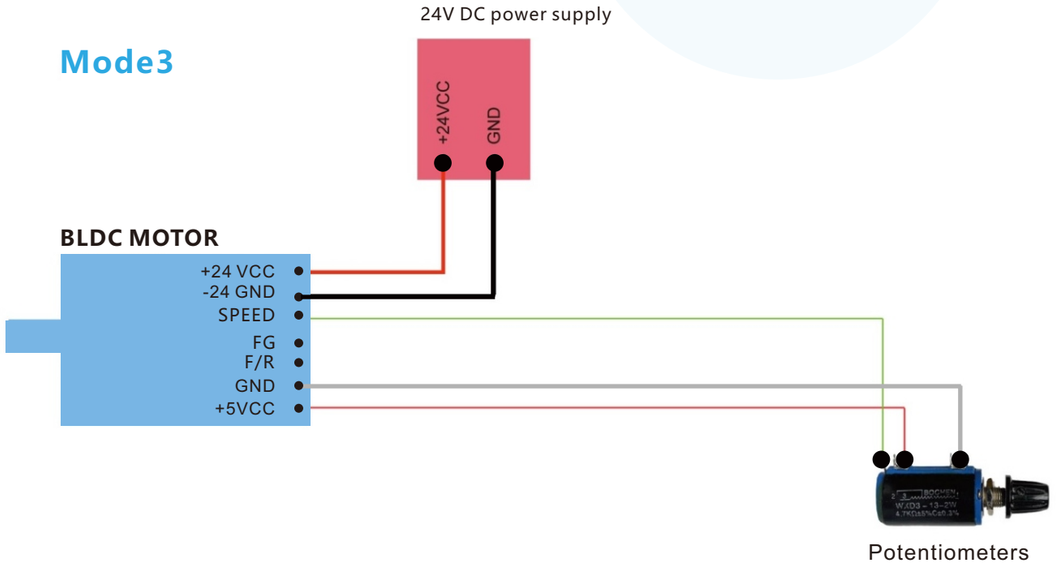
Mode1



Mode2



Mode3



Mode4

