

Wiki:

**[http://www.cqrobot.wiki/index.php/Metal
DC_Geared_Motor_w/Encoder,_CQRDJ-GL](http://www.cqrobot.wiki/index.php/Metal_DC_Geared_Motor_w/Encoder,_CQRDJ-GL)**

1. Supports 6V and 12V Operating Voltage.
2. This is metal DC geared motor w/Encoder, Operating voltage is 6V-12V. for Projects Such as Robot, Custom Servo, Arduino and 3D Printers.
3. The rear of the motor is equipped with a dual channel Holzer effect encoder, AB dual output, single circuit per cycle pulse 16CPR, double down the road, a total output of 64CPR.
4. These units have a 0.61 inch long, 6 mm(0.24 inch)-diameter D-shaped output shaft. This motor is intended for use at 12V, though the motor can begin rotating at voltages as low as 1V.
5. The face plate has six mounting holes evenly spaced around the outer edge threaded for M3 screws. These mounting holes form a regular hexagon and the centers of neighboring holes are 15.5 mm(0.61 inch) apart.

NOTE

Do not screw too far into the mounting holes as the screws can hit the gears. CQRobot Manufacturer recommends screwing no further than 3mm (1/8 inch) into the screw hole.

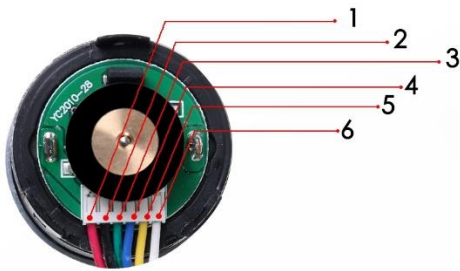
Metal DC Geared Motor w/Encoder (Support 6V/12V)



Note: L is the length of the gearbox and is related to the actual reduction ratio.



Connect the renderings

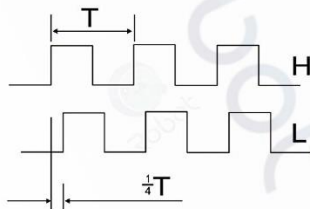


connection

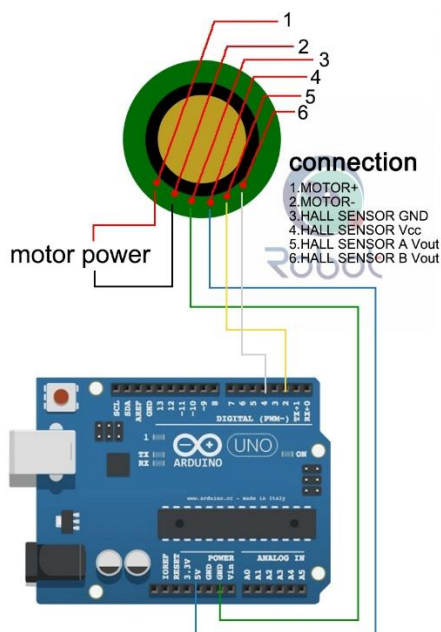
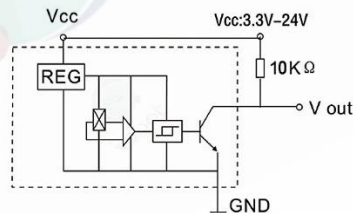
- 1.MOTOR+
- 2.MOTOR-
- 3.HALL SENSOR GND
- 4.HALL SENSOR Vcc
- 5.HALL SENSOR A Vout
- 6.HALL SENSOR B Vout

Specifications	Code	Test Conditions	Small	Basic	Big	UNITS
Input Voltage	VCC	---	4,5	---	24	V
Output current	IC	Vcc=12V,GAUSS<-170	---	<0.1	20	MA

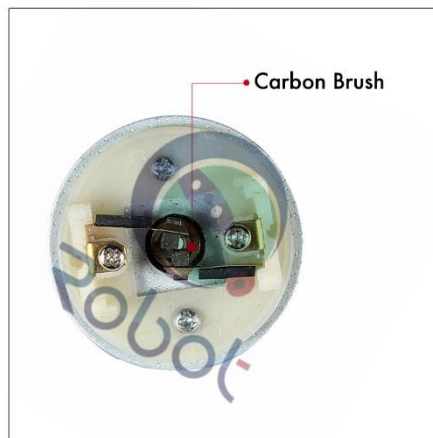
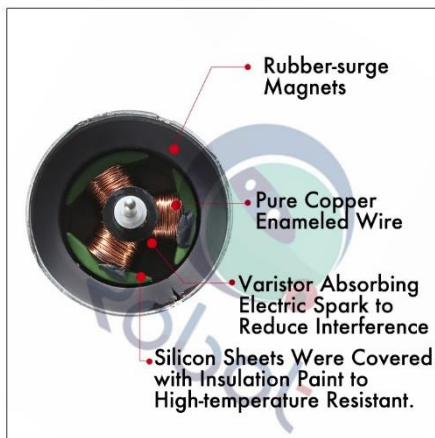
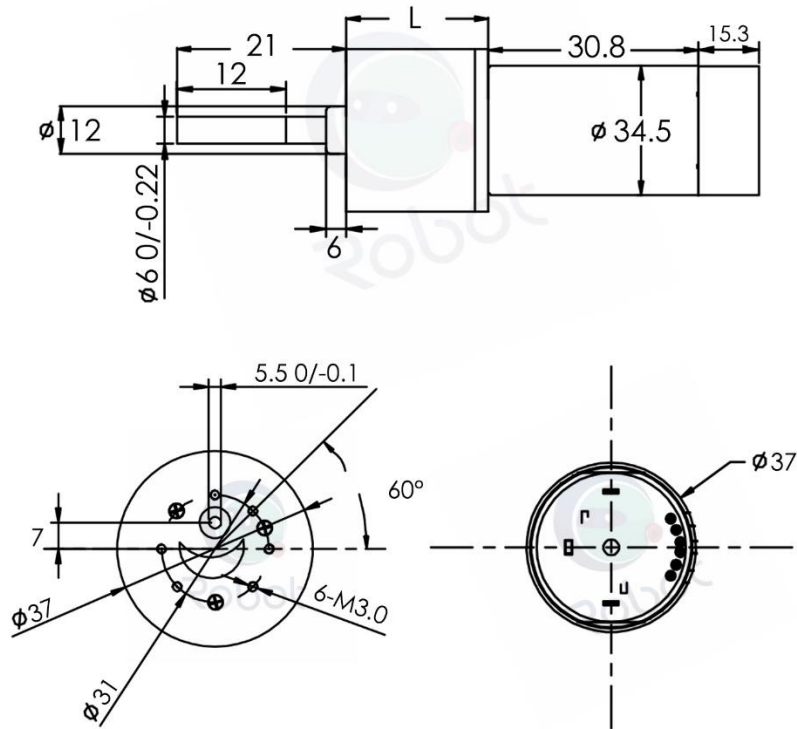
Output Waveform



Output Circuit



Product size



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