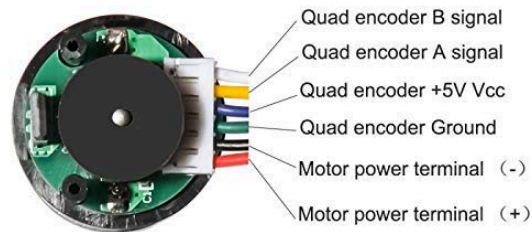


The Alt Motor, with gears

Wiring Diagram



Sweet Tips:

1. Be sure to keep the wiring connection correct before Working;
2. Be sure to keep the motor stopped before change the CCW/CW direction; Or the motor will be burned!!!

This motor is rated for 150 RPM at 12V after the gear, so it is not going to be particularly fast at 6V. Pulse the gears give a lot of friction, so no load bar is necessary.

The gear ratio is 1:362, and the encoder is 12 pulses per revolution. That means the output encoder resolution with quadrature is $12 \times 362 \times 4 = 17367$. Amazing, but about 1 degree of backlash.