

Application 1: Control the RC micro servo motor using potentiometer



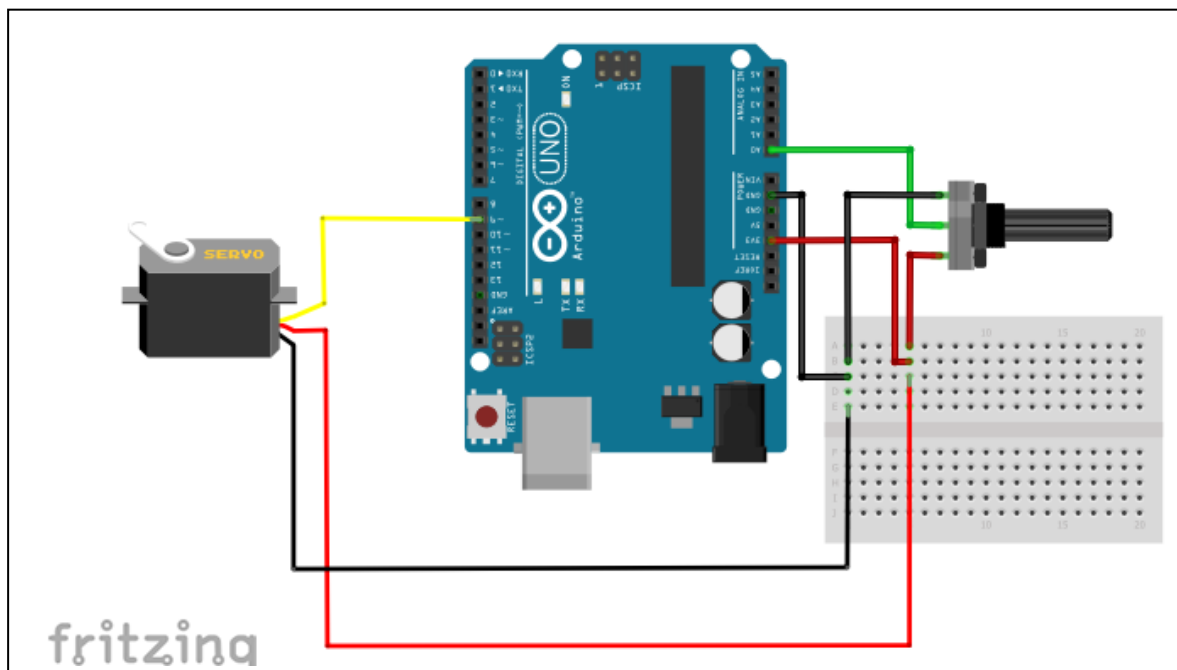
Component needed:

- Arduino UNO
- SG90s RC Micro Servo Motor 9g
- 10Kohm potentiometer
- Some jumper wires

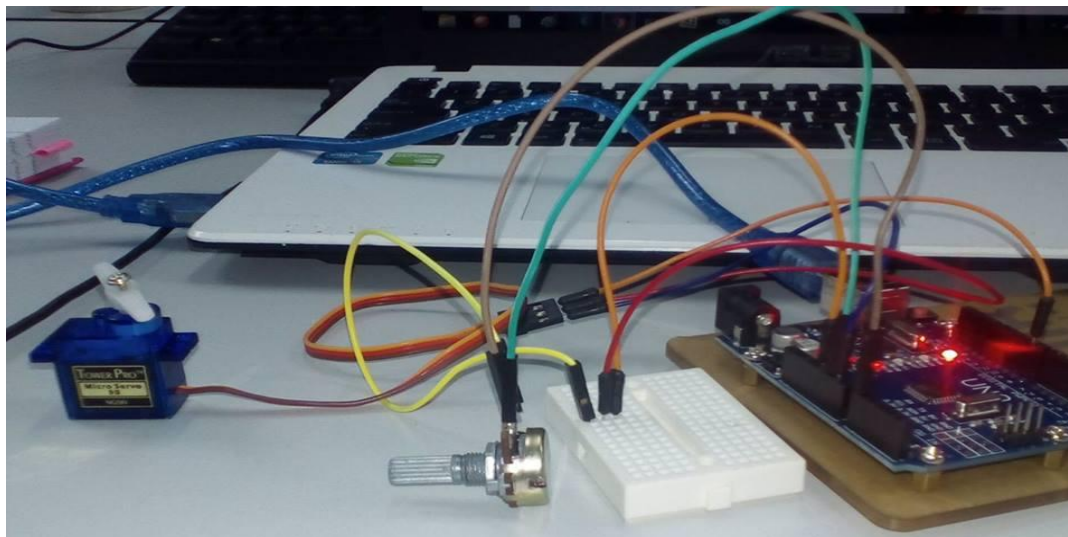
Arduino's connection:

Arduino **SG90s**
 5V----->>VCC
 GND----->>GND
 D9 pin----->>PWM

Arduino **Potentiometer**
 5V----->>INPUT
 GND----->>GND
 A0 pin----->>OUTPUT



1. Connect the circuit as shown in the figure above.
2. Open your Arduino IDE and upload the sketch. You can get the code from the *Application1_sketch*.
3. Now, you can control the servo motor by using the potentiometer.



Conclusion:

The rotation of the motor is controlled by the potentiometer. If you rotate the potentiometer to the right, the motor will rotate in clockwise direction and vice versa. The motor will not function if the knob of the potentiometer does not rotate.