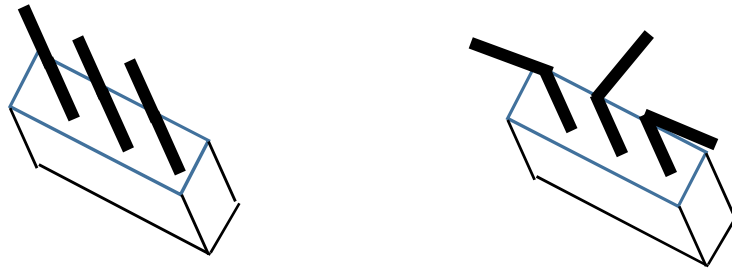


Project 6

Servo Motor Control

Motor Control Unidirectional

Build the circuit as shown in Experiment 5 using potentiometer, 2 10 microfarad electrolytic capacitors, and the servo motor. Note that these capacitors are polarized and you need to make that way the capacitors are installed than the polarization is that same polarization as the voltage applied. You also need to use header pins with the servo motor connector. You may have to bend the pins and use alligator clip jumpers to connect to the circuit board.



PART A

- 1) Build the circuit in as shown in Experiment 5 and run the sketch.

Motor Control Unidirectional

PART B

- 1) Replace the potentiometer with another detector (phototransistor (preferred) or temperature sensor (thermistor)). Update the sketch modify the angle of the servo position to the sensor output.

