

Servomotor 2 tlačidlá – verzia 3

```
#include<Servo.h>
int pos = 90;
int pin4 = 4;
int pin3 = 3;
int LedHi = 5;
int LedLow = 6;
Servo servo1;

void setup() {
  pinMode(LedHi, OUTPUT);
  pinMode(LedLow, OUTPUT);
  pinMode(pin4, INPUT);
  pinMode(pin3, INPUT);
  Serial.begin(9600);
  servo1.attach(9);
}

void loop() {
  while (digitalRead(pin3) == HIGH && pos < 180) {
    digitalWrite(LedLow, LOW);
    pos++;
    servo1.write(pos);
    Serial.print("Degrees rotation= ");
    Serial.println(pos);
    if (pos == 180) {
      Serial.print("Reached top end ");
      digitalWrite(LedHi, HIGH);
    }
    delay(10);
  }

  while (digitalRead(pin4) == HIGH && pos > 0) {
    digitalWrite(LedHi, LOW);
    pos--;
    servo1.write(pos);
    Serial.print("Degrees rotation= ");
    Serial.println(pos);
    if (pos == 0) {
      Serial.print("Reached low end ");
      digitalWrite(LedLow, HIGH);
    }
    delay(10);
  }
}
```

