/\* Sweep

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This example code is in the public domain.

modified 28 May 2015

by Michael C. Miller

modified 8 Nov 2013

by Scott Fitzgerald

http://arduino.cc/en/Tutorial/Sweep

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#define Switch D3

#include <Servo.h>

Servo myservo; // create servo object to control a servo

// twelve servo objects can be created on most boards

void setup() {

myservo.attach(D2); // attaches the servo on GIO2 to the servo object

pinMode(D3,INPUT);

}

void loop() {

int pos;

int state=digitalRead(Switch);

// for (pos = 0; pos <= 180; pos += 1) { // goes from 0 degrees to 180 degrees

// in steps of 1 degree

if(state==1)

{

myservo.write(45); // tell servo to go to position in variable 'pos'

delay(15);

}

// waits 15ms for the servo to reach the position

//}

//for (pos = 180; pos >= 0; pos -= 1)

//{ // goes from 180 degrees to 0 degrees

if(state==0){

myservo.write(0); // tell servo to go to position in variable 'pos'

delay(15); } // waits 15ms for the servo to reach the position

//}

}