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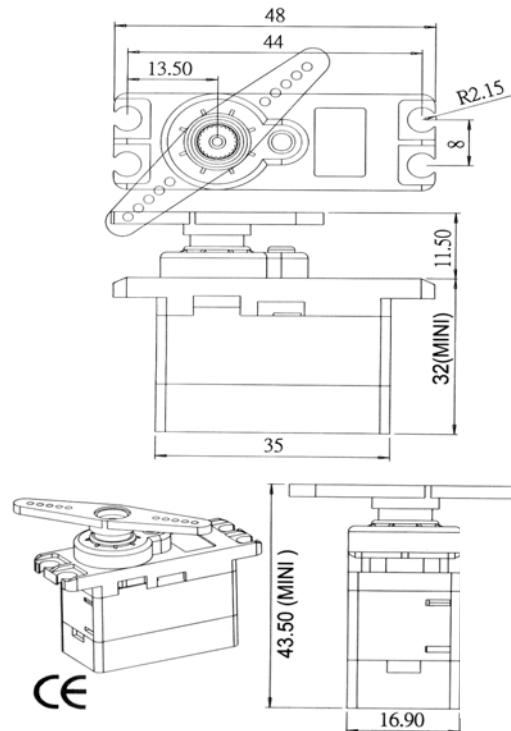http://www.parallax.com/html_pages/edu/

Standard Mini Servo (#900-00010)

General Information

The Parallax Mini standard servo is ideal for small robotics and basic movement projects. These servos will allow a movement range of 0 to 180 degrees.
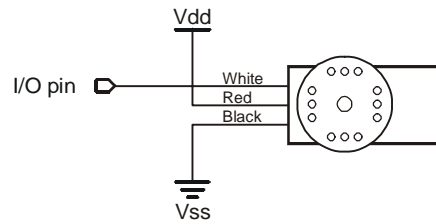
Technical Specifications

> Power 4.8vdc to 6vdc max

> Speed 0 deg to 180 deg in .5 seconds on average

> Weight 26.6 grams/.94oz

> Torque 2.8 kg-cm/39oz-in

> Size mm (L x W x H)
40.5x20.0x38.0

> Size in (L x W x H)
1.38x.67x1.26

Measurements are in mm

Wiring setup

The servo is controlled by pulsing of its signal line. If you are using a Basic Stamp this is done with the pulsout command. Below is stamp code that will help you with basic control of a servo. The codes below may not move the servos from on extreme to another but is will give you a general demonstration on function.

'Stamp1

```
symbol temp = w0
start:
      for temp =  70 to 250 step - 1
      pulsout 0,temp
      pause 50
      next
      for temp =  250 to 70
      pulsout 0,temp
      pause 50
      next
goto start
```

'Stamp 2 ,2e,2pe

```
temp VAR Word
start:
  FOR temp =  1200 TO 305
    PULSOUT 0,temp
    PAUSE 20
  NEXT
  FOR temp =  305 TO 1200
    PULSOUT 0,temp
    PAUSE 20
  NEXT
GOTO start
```

'Stamp 2sx,2p24/40

```
temp var word
start:
      for temp =  500 to 3000
      pulsout 0,temp
      pause 50
      next
      for temp =  3000 to 500
      pulsout 0,temp
      pause 50
      next
goto start
```