

Overview



This Keyes device is one of the more common devices found in Arduino sensor kits. Coupled with other components, it can be used to create trip wires or optical effects.

The KY-008 is particularly neat because it can be directly powered from an Arduino output pin as it only draws 30 mA from the processor that has outputs rated for 40 mA.

Get One

The KY-008 is offered by multiple vendors. All accept PayPal and thus provide solid buyer protection.

[On eBay](#)

[Deal Extreme](#)

[IC Station](#)

[Fast Tech](#)

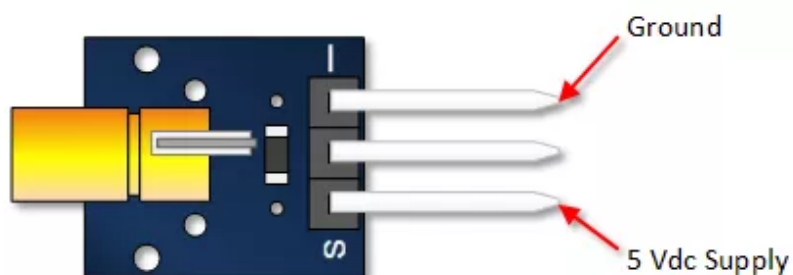
[Bang Good](#)

KY-008 Specifications

Parameter	Value
Supply Voltage	5 Vdc
Current	30 mA
Wavelength	650 nm
Color	Red

KY-008 Pin Outs

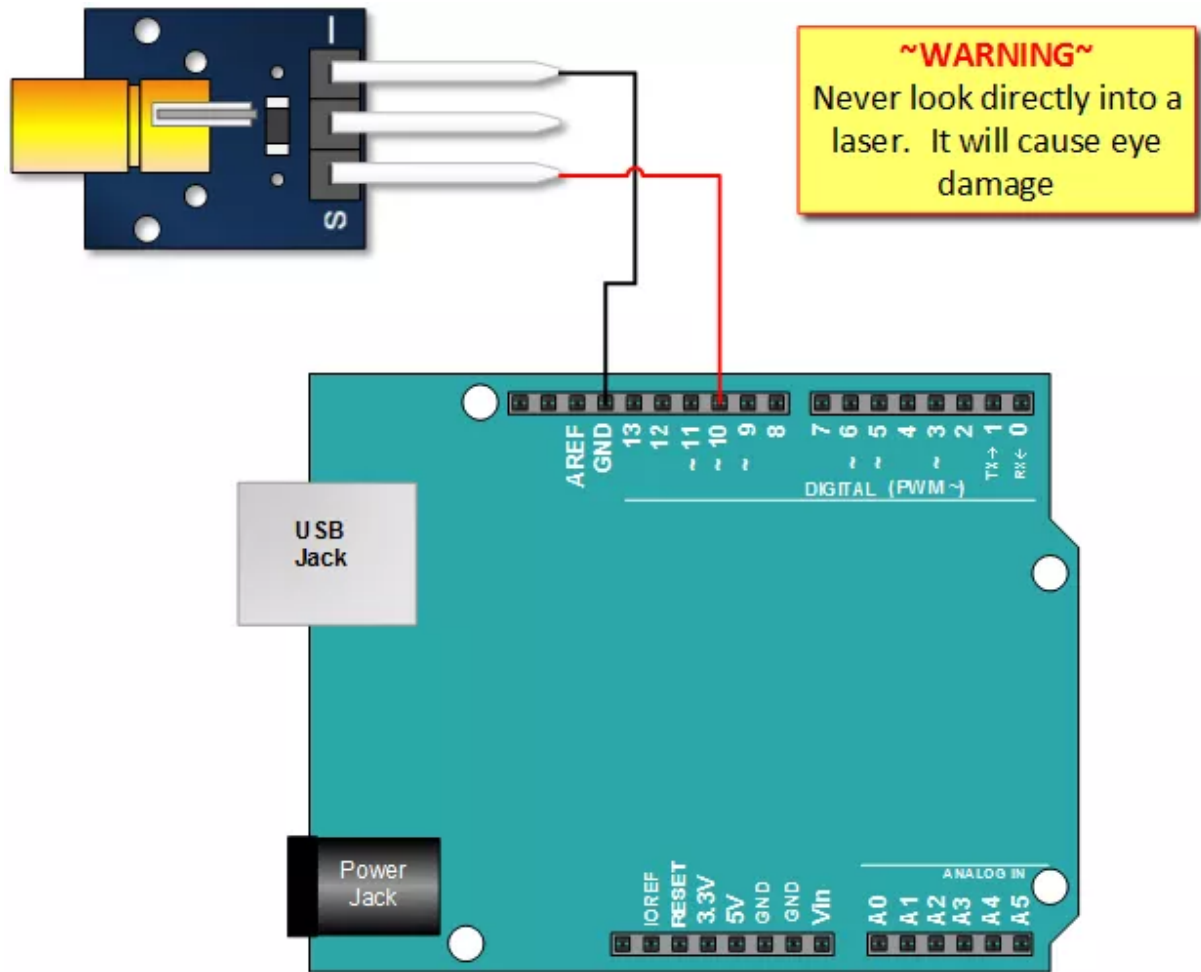
You need only supply ground and power to this device as shown in the picture below:



KY-008 Arduino Tutorial

Connect your Laser to your Arduino

It just takes to connections to make this device work. Just use the picture below.



Copy, Paste and Upload the KY-008 Arduino Tutorial Sketch

In this sketch, you are creating a loop the turns the laser on for half a second and off for a half a second.

```
// Henry's Bench
// KY-008 Tutorial... On then Off

int laserPin = 10;

void setup ()
{
  pinMode (laserPin, OUTPUT); // define the digital output interface 13 feet
}
void loop () {
  digitalWrite (laserPin, HIGH); // Turn Laser On
  delay (1000); // On For Half a Second
  digitalWrite (laserPin, LOW); // Turn Laser Off
  delay (500); // Off for half a second
}
```