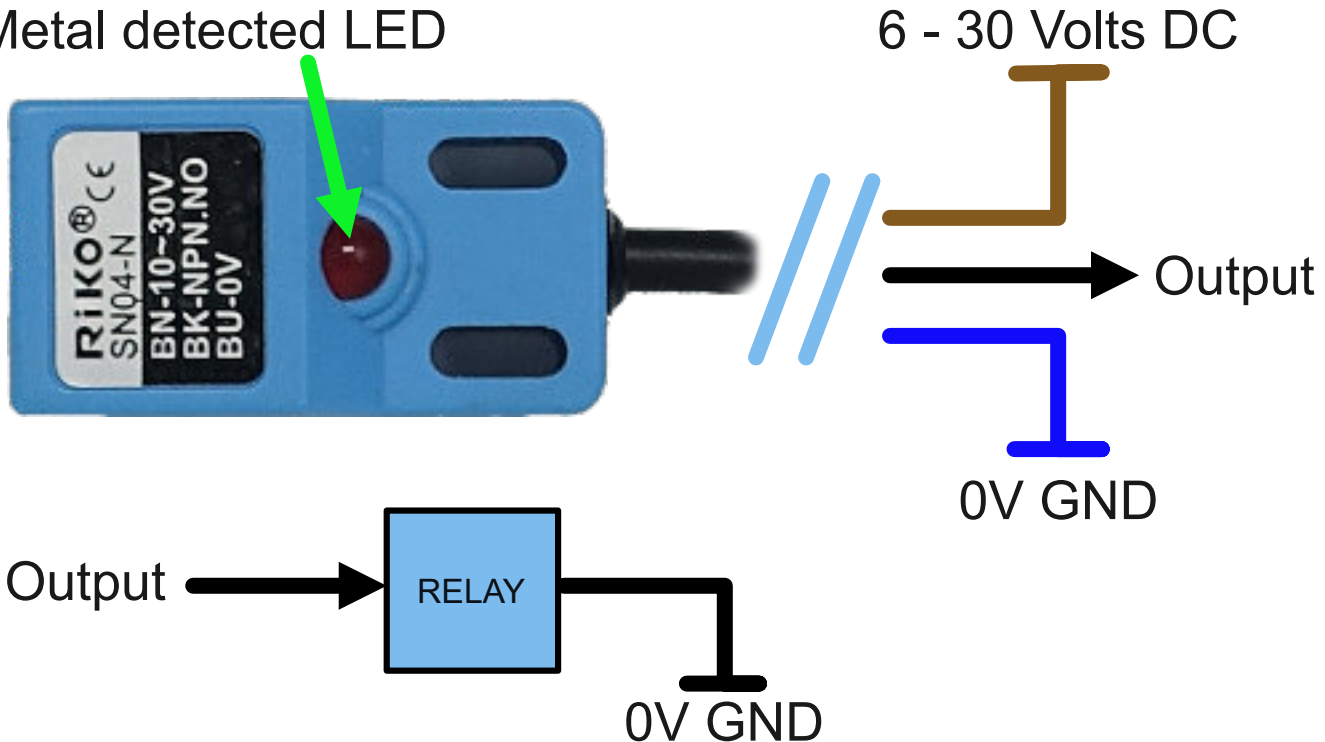


Connections

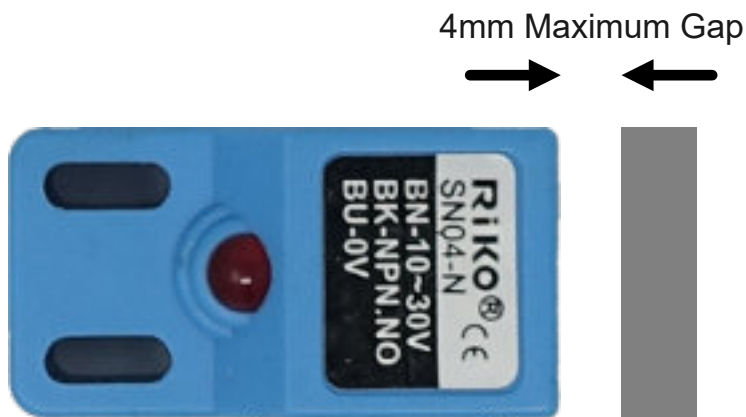
Metal detected LED



Connect the brown wire to a DC voltage between +6 and +30 volts. The blue wire should be connected to 0v or GND.

The black wire is the output and is around 0 volts when there is no metal being detected, this rises to the supply voltage (6 to 30 volts) when the detector has sensed metal. The output can source up to 300mA enabling it to drive a relay directly as shown above.

Operation



When metal passes the sensor head (within about 4mm) the indicator LED turns on and the output changes from 0 volts to the supply voltage. This could operate a relay, sound an alarm or connected to another device.

Note the voltage will need to be reduced to 5V if being connected to an Arduino.

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