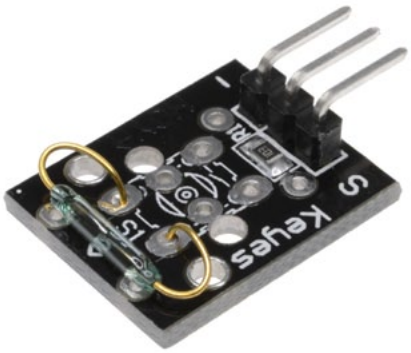
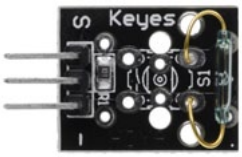
ARD 2 **Arduino Compatibles**
Controllers, Shields, Modules & Sensors

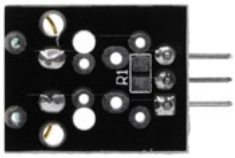
Mini Reed Switch Module

ARD2-2221

- **Completes circuit when a magnetic field is detected**
- **No additional parts required**







Description

This is a magnetic sensor that is normally open and closes when exposed to a magnetic field. In the test code below, the built-in LED on pin 13 flashes if the sensor is closed. A magnet must be near the sensor to close the switch. The module includes a 10K Ohm resistor, so no additional parts are needed.

Specifications

Colour	Black
Material	PCB

Pinout

Module	Arduino	Function
S	D3	Signal via Arduino Board
Middle	5V	Power Supply
–	Ground	Ground Connection

Test Code

```
// Example code for sensor KY021
// More info on http://tkkrlab.nl/wiki/Arduino_KY-021_Mini_
magnetic_reed_modules
//
int Led = 13 ;// define LED Interface
int buttonpin = 3; // define the Reed sensor interfaces
int val ;// define numeric variables val
void setup ()
{
  pinMode (Led, OUTPUT) ;// define LED as output interface
  pinMode (buttonpin, INPUT) ;// output interface as defined
Reed sensor
}
void loop ()
{
  val = digitalRead (buttonpin) ;// digital interface will
be assigned a value of 3 to read val
  if (val == HIGH) // When the Reed sensor detects a signal,
LED flashes
  {
    digitalWrite (Led, HIGH);
  }
  else
  {
    digitalWrite (Led, LOW);
  }
}
```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