

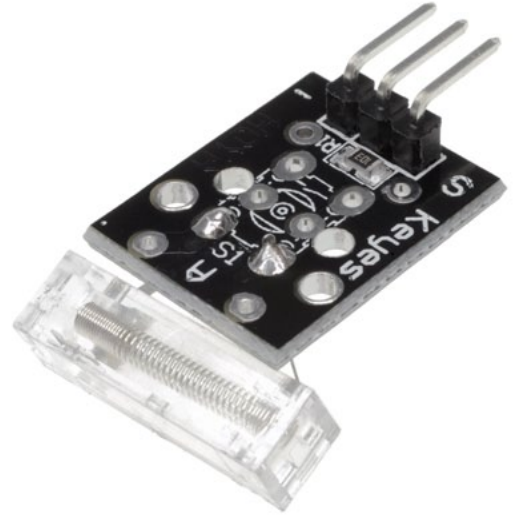
ARD 2 **Arduino Compatibles**

Controllers, Shields, Modules & Sensors

Knock Module

ARD2-2231

- **Make an external LED light up when the sensor detects a knock/impact**
- **Add a unique input to your project or respond to sudden impacts as a safety feature**



Description

This knock sensor can detect knocks and impacts. It can be used to build a simple LED circuit which lights up when an impact is detected. It has potential applications wherever you might want your project to respond to sudden impacts for safety purposes or simply as a unique input method.

Note: If your project requires a more sensitive module, see the ARD2-2202.

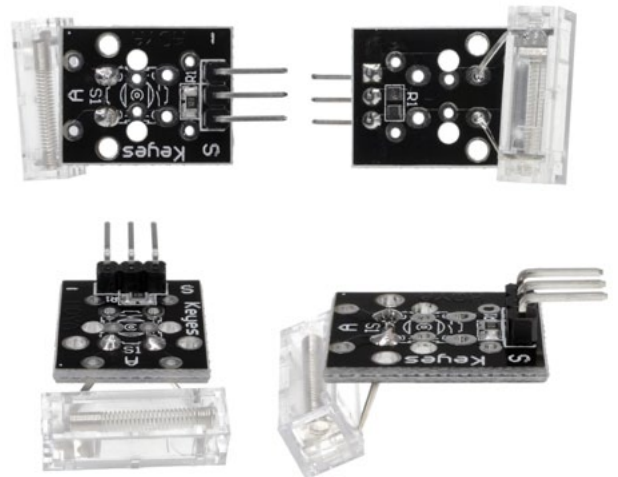
Specifications

Colour (Board) Black

Material PCB

Pinout

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



Test Code

```
int Led = 13 ; // define LED Interface
int Shock = 3 ; // define the percussion Sensor Interface
int val ; // define numeric variables val

void setup ()
{
  pinMode (Led, OUTPUT) ; // define LED as output interface
  pinMode (Shock, INPUT) ; // define knock sensor output interface
}
void loop ()
{
  val = digitalRead (Shock) ; // read digital interface is assigned a value of 3 val
  if (val == HIGH) // When the percussion when the sensor detects a signal, LED flashes
  {
    digitalWrite (Led, LOW);
  }
  else
  {
    digitalWrite (Led, HIGH);
  }
}
```