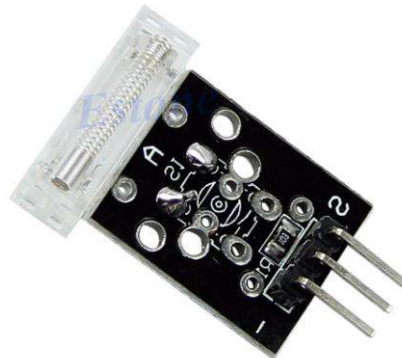


Tap Sensor Module For Arduino



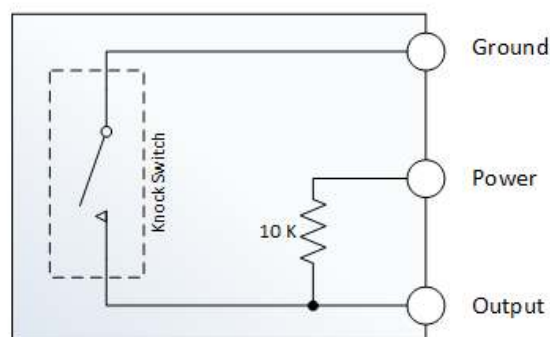
Description

Knock sensor module and a digital 13 interface, built-in LED build a simple circuit to produce percussion flasher. Interface comes with digital LED, will knock sensor connected digital 3 interface, when percussion sensor senses measure to percussive signals, LED flashing light.

The knock sensor, detects the knocks and the taps. It can work like a switch. The sensor sends data momentarily to the board. To keep the LED on, the button state change codes should be used. So the sensor will work as a switch.

KY-031 (Knock Sensor)

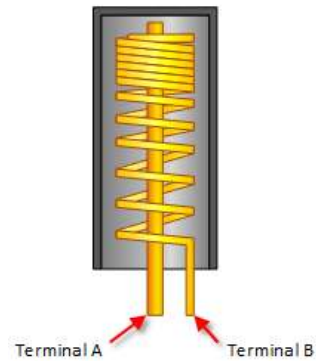
The switch primarily consists of a terminal that forms a center post and a second terminal that is a spring that surrounds the center post.



When a sufficient force is transferred to the switch, the terminal consisting of the spring moves and shorts both terminals together.

The connection between the terminals is momentary and will require a little thought as you implement it in your Arduino project.

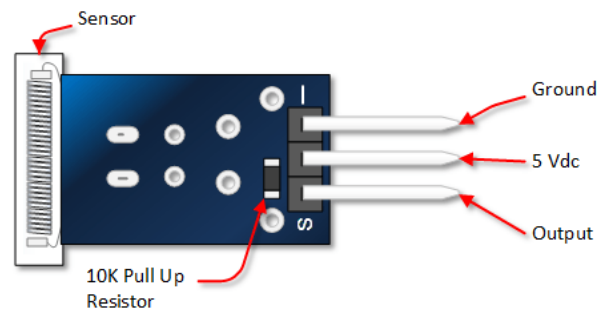
Positioning of the switch is also important. Generally speaking the switch should be physically located as close as possible to the area being monitored. Otherwise, the vibration being detected may be dampened by other structural components in your project.



An exception to this rule may be where you find that the switch is too sensitive for your application. In this case, moving the switch further away from the area of interest may make it less sensitive.

KY-031 Knock Sensor Pin Outs

Three connections to your Arduino is all you need. The pins on the knock sensor that you will connect to are shown in the picture below:



KY-031