

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

Mercury Tilt Switch

ARD2-2217

- **Completes circuit when the module is tilted**
- **LED lights up when tilt switch is activated**

Description

This mercury tilt switch module can detect when it is tilted. It works because the mercury ball flows into the gap between two electrodes and completes the circuit when the module is tilted at an angle.

Specifications

Colour	Black
Material	PCB

Pinout

Module	Arduino	Function
-	GND	Ground Connection
Middle Pin	5V	Power
S	D3	Sensor Output

Test Code 1

```
int Led = 13 ;// / define LED Interface
int buttonpin = 3; // / define the mercury tilt switch sensor
interface
int val ;// / define numeric variables val
void setup ()
{
pinMode (Led, OUTPUT) ;// / define LED as output interface
pinMode (buttonpin, INPUT) ;// / define the mercury tilt
switch sensor output interface
}
void loop ()
{
val = digitalRead (buttonpin) ;// / read the values assigned
to the digital interface 3 val
if (val == HIGH) // When the mercury tilt switch sensor
detects a signal, LED flashes
{
digitalWrite (Led, HIGH);
}
else
{
digitalWrite (Led, LOW);
}
}
```

