**Tilt sensor**

Tilt sensors allow you to detect orientation or inclination in two axes. They are usually made by a cavity of some sort (cylindrical is popular, although not always) and a conductive free mass inside, such as rolling ball. One end of the cavity has two conductive elements (poles). When the sensor is oriented so that that end is downwards, the mass rolls onto the poles and shorts them, acting as a switch throw.



