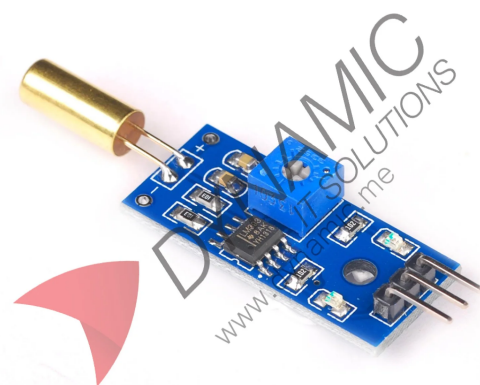


Angle Sensor 1 Way SW-520D



Features:

Tilt Detection: Detects tilt angles typically greater than 10° to 15°, depending on orientation.

Digital Output: Provides a digital signal (HIGH or LOW) based on the tilt position.

Adjustable Sensitivity: Equipped with a potentiometer to fine-tune sensitivity.

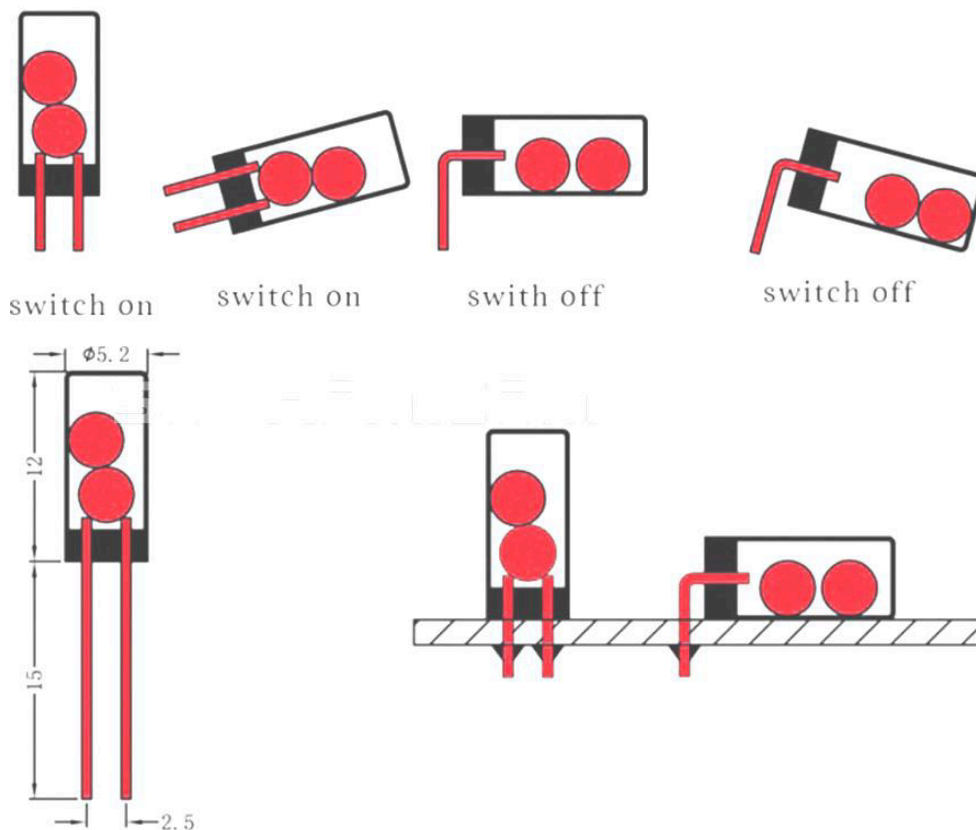
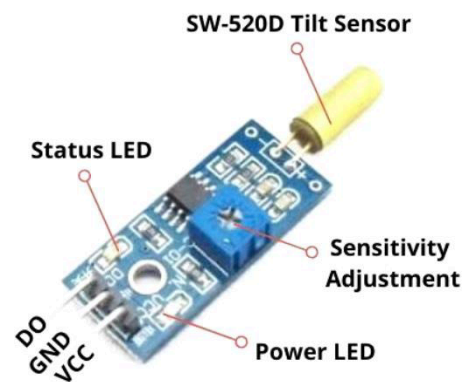
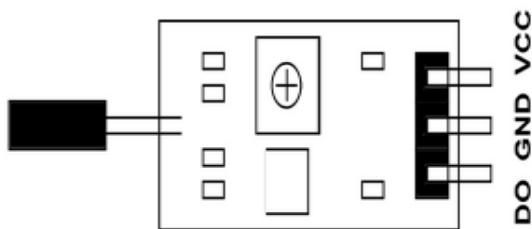
Indicator LEDs: Includes power and output status LEDs for easy monitoring.

Compact Design: Small PCB with mounting holes for easy integration into projects.

Specifications	
Operating Voltage	3.3V to 5V
Output Type Digital	(0 or 1)
Maximum Output Current	≥15 mA
Tilt Angle Sensitivity	10° (varies with orientation)
Contact Resistance	<10 Ω
Insulation Resistance	10 MΩ
Operating Temperature	0°C to +80°C
Module Dimensions	32mm x 14mm
Sensor Dimensions	11.5mm (L) x 5.2mm (D)
Comparator IC	LM393
Life Expectancy	Up to 100,000 cycles

Pinouts:

Pin Name	Type	Description
VCC	Power Input	Logic power input (typically 3.3 V–5 V) — powers the comparator and LED
GND	Power Ground	Common ground
DO	Output	Digital output: goes HIGH (open circuit) when tilted below threshold, and LOW (closed) when tilted past threshold — can drive up to ~15 mA



Product Pictures:

