

HIGH SENSITIVITY VIBRATION MODULE

Product Code: MSM000IVS



VIBRATION SENSORS

INTRODUCTION

The MSM series vibration sensor use piezoelectric ceramics and spring weight structure to detect vibration. The small piezoelectric signals are fed through an high sensistivity operational amplifier to produce a digital output (high or low). Sensitivity can be adjusted by rotating a screw connected to a potentiometer which attenuates the input signal and make it less sensitive. The sensor can also be combined with a single-chip microcontroller or wireless transmitter.

SPECIFICATION

Power Supply: 5-15V

Output: switch quantity(output low)

Output Current: $\leq 100\text{mA}$ (Max Load Current)

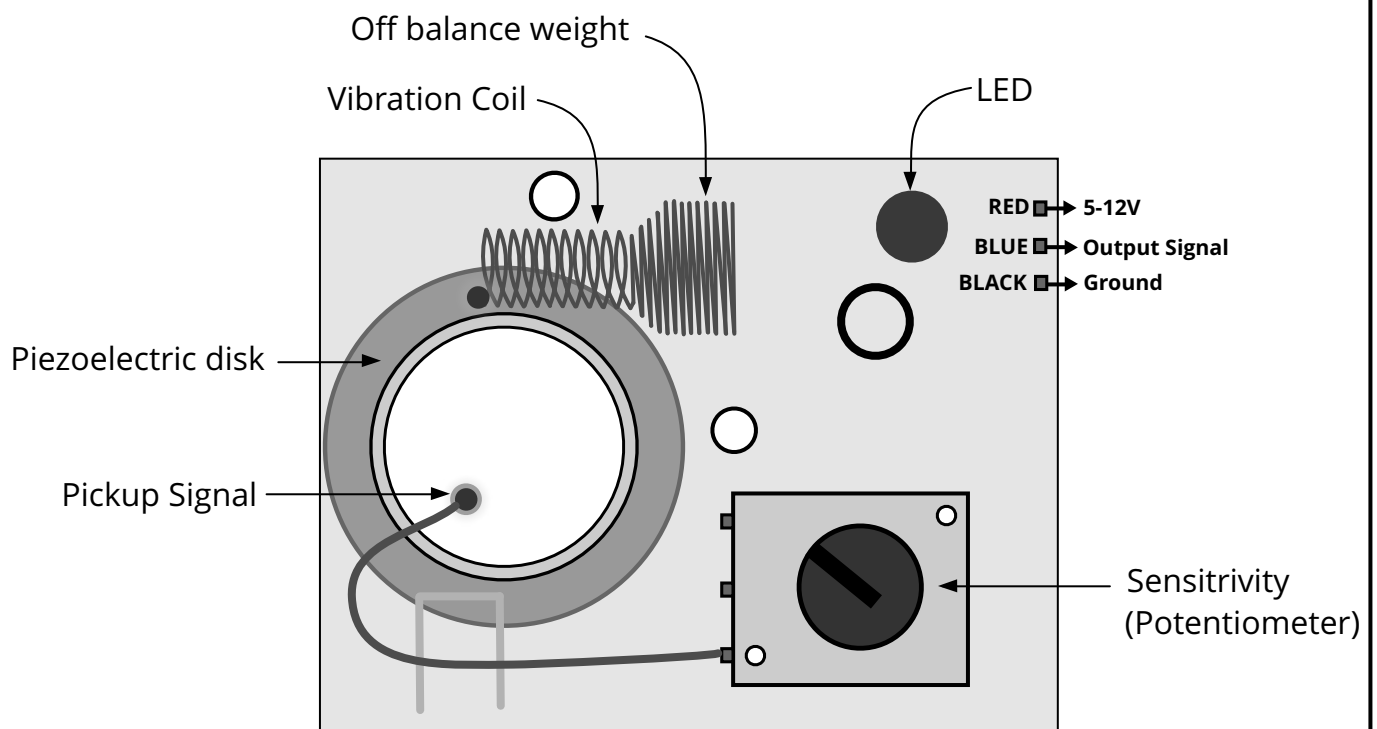
Static Current: $\leq 6\text{mA}$

Size: 40 x 60mm

Material ABS



MECHANICAL OPERATION



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ELECTRICAL

Power Supply: 5-15V

Output: switch quantity(output low)

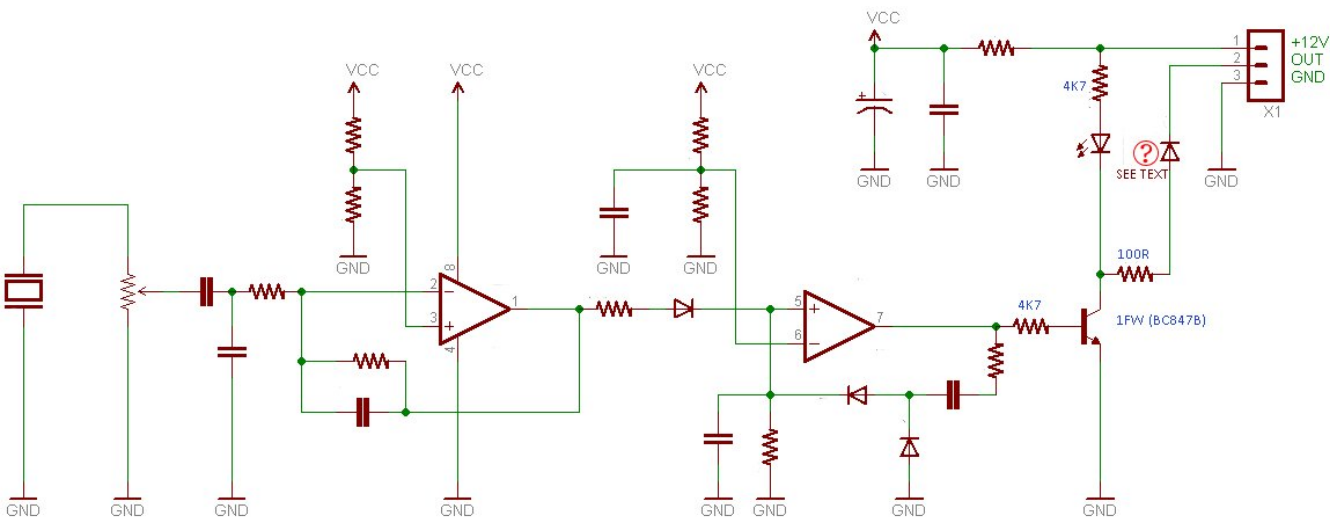
Standby Current : 6-12mA

Max Load Current: $\leq 100\text{mA}$ (Movement)



Num	Label	Description
1	GND	Sensor Power -
2	VCC	Sensor Power +
3	OUT	Sensor Signal Output

CIRCUIT DIAGRAM



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