

Vibration Switch

DK - Vibration Switch is working according to the pendulum switching principle.

A swinging permanent magnet holds a magnetic switch situated below in a particular position.

Due to vibration the magnetic field between Reed Switch and magnet changes. Thus the switch is actuated resulting in the stoppage of the equipment.

The responding sensitivity of the system can be changed by adjusting the gap between switch and magnet. Thus vibrations with amplitude below a set value can be suppressed.

The free pendulum length and the responding frequency of the switch with a frequency slider can be adjusted exactly to the natural frequency of the equipment to be protected. The adjusting range is 3 to 4 Hz.

Applications include all types of rotating or reciprocating machinery such as cooling tower fans, pumps, compressors etc.

Model: VMS-100



Specification:-

Material of construction	:	
Housing	:	Glass Fibre Reinforced Polyester/ Aluminium.
Enclosure Protection	:	Weatherproof to IP-66.
Amplitude Setting	:	2 to 12 mm (Adjustable).
Contact Rating	:	1A, 230 V AC or 0.2A, 220 V DC.
Contact Form	:	1NO + 1NC(1 SPDT) / 2NO + 2NC (2 SPDT)
Cable Entry	:	½" NPT, ¾" NPT, ¾" ET, 1" ET.

➤ **Note:**

- ❖ Reed Switch being glass encapsulated is intrinsically safe.
- ❖ Current Rating shall be achieved 5A, 230 V AC with Auxiliary Contact.
- ❖ For Explosion proof housing Model No. VMS-EX-100.



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