

ELECTRONIC VIBRATION SWITCH



- Accelerometer sensor - Built in or Remote
- Built in Time delay - No false Triggiring
- Calibrated dial for setting limit
- VELOCITY sensing
- Available with several options to suit exact requiemment
- WEATHER PROOF (Safe area) Flame Proof Enclosure

ELECTRONIC VIBRATION SWITCH is designed as direct replacement of mechanical vibration switches.

These mechanical switches being used in yester years have very little merit and served the purpose when the requirement was not stringent. As they rely on large impacts or inertia (both acceleration) nuisance tripping during start-up is an usual problem. Further, sensitivity adjustment is too ambiguous to offer any meaningful translation.

ACD vibration switches can be directly installed in place of mechanical vibration switches and offer immense advantages. The basic sensor is piezo electric accelerometer which has no moving parts. These electronically integrate the acceleration signal giving velocity signal. Vibration could be controlled very precisely with graduated controls. Built in electronic delay takes care of startup and other spurious signals. Remote reset is another positive advantage.

Either `STAND ALONE' or `REMOTE SENSOR' options are available.

These switches can be supplied in enclosures suitable for weather proof (IP 65) application or for gas areas IIA – IIB (CLASS I, DVN.I GRP. C&D) OR IIC (CLASS I, DVN II, GRP.B)

Some of the applications are Cooling Towers, Centrifuges, Large Motors and Generators, Compressors, VSI Crushers, Naval Vessels etc.,

SPECIFICATION (VS II)

SUPPLY	:	110 OR 220 V AC OR 24V DC(SELECT ANY ONE) +/-10%
SENSOR	:	PIEZO ELECTRIC ACCELEROMETER
RANGE	:	VELOCITY 0 – 30 mm / sec pk (CAN BE EXTENDED ON REQUEST)
FREQUENCY	:	10 Hz TO 100 Hz (2 Hz TO 25 Hz FOR VS II / L MODEL)
TRIP SET	:	GRADUATED DIAL SETTABLE OVER FULL RANGE (OPTIONAL TWO TRIP POINTS OFFERED)
CONTACT	:	ONE POTENTIAL FREE CHANGE OVER (TWO ON REQUEST) 250 V AC Max / 5A MAX / 120 VA MAX
DELAY	:	7 SECONDS FACTORY SET (OPTIONAL ADJUSTABLE)
RESET	:	AUTO / MANUAL
ENCLOSURE	:	WEATHERPROOF OR FLAMEPROOF IP 65 (SAFE AREA) IIA – IIB OR IIC
SIZE (mm)	:	115 X 115 X 100 200 X 200 X 130
WEIGHT	:	2 Kg. NOMINAL 3 Kg. NOMINAL
OPERATING TEMP.	:	10 ° C TO 55 ° C
HUMIDITY	:	1 % TO 90 % (NON CONDENSING)
OPTIONAL	:	4 – 20 mA OUTPUT

OTHER VARIANTS :

- **VIBRATION MONITOR / SWITCH VMS I V**
REMOTE SENSOR ON SITE RELAY IN CONTROL ROOM
WITH DIGITAL METER FOR VIBRATION LEVEL
- **VIBRATION TRANSMITTER VT V**
STAND ALONE
OR
REMOTE SENSOR TYPE



In view of continuous development we reserve the right to modify the specifications



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