

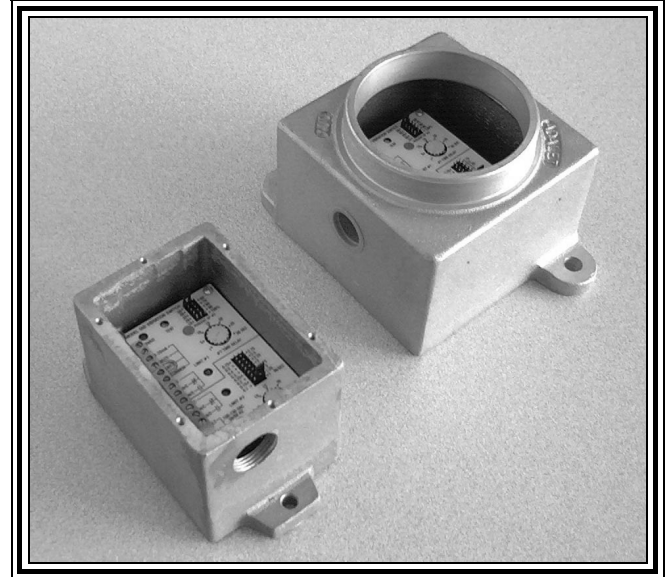
Model 550, 550M, 550-X, 550-X-M Vibration Switch

Features:

- Monitors Vibration Velocity in/sec (user adjustable)
- Automatic Alarm and/or Shutdown Limits
- Adjustable Time Delays (prevents nuisance trips)
- LED Limit and Power indicators
- Self diagnostic Test button (verifies operation)
- Solid State Reliability
- Metric Versions (mm/sec): 550M, 550-X-M
- Explosion Proof 550-X, 550-X-M versions
- Replaces RIS VT Series Switches

Applications

- Fans, Cooling Towers
- Motors, Pumps
- Blowers, Compressors
- Crushers, Shredders, Hammer Mills
- Rotating Machinery Monitoring



Specifications:

LIMITS: Limit #1 (alarm) 10 - 100% of Limit #2
Limit #2 (shutdown) setting range of 0.1 to 2.75 in/sec peak

VELOCITY RANGE: 550/550-X - 0.1 to 2.75 in/sec peak
550M/550-X-M - 2.5 to 70 mm/sec peak

FREQUENCY RANGE: 2 to 1000 Hz (120 to 60,000 RPM)

TIME DELAY: 1 to 30 sec (user adjustable)

LIMIT OUTPUT: (2) Form-C Relay SPDT - 5A @ 125 VAC;
5A @ 28 VDC

ANALOG OUTPUT: 4 - 20 mA DC. Optional remote panel meters available (P/N - A11347).

REMOTE RESET: Circuit closure between latch and common terminals will reset limits. An open circuit maintains (latches) the limit relays. Short latch and common terminals for non-latching operation (jumper supplied).

MUTE: Circuit closure between MUTE and COMMON disables limits.

ACCURACY: 5% of setting

AXIS SENSITIVITY: Perpendicular to base
Omni-directional mounting

INPUT POWER: 100 - 130 VAC, 0.02 VA
190 - 250 VAC 50/60 Hz optional

ENCLOSURE: 550/550M - NEMA 3, 4, 12 water-dust-tight cast aluminum
550-X/550-X-M - Explosion-proof box

WEIGHT: 550/550M: 3.75 lbs (1.7 kg)
550-X/550-X-M: 5.5 lbs (2.5 kg)

MOUNTING: 550/550M: 1/4" hardware 3 mounting bosses
550-X/550-X-M: 1/4" hardware 2 mounting bosses

TERMINALS: Accepts #12 AWG wire

TEMPERATURE: -30°F to 165°F (-34°C to 74°C)

SIZE: 550; 550M 5.94" x 3.44" x 4"
(15.09 x 8.74 x 10.16 cm)
550-X; 550-X-M 6.75" x 4.81" x 4.5"
(17.15 x 12.22 x 11.43 cm)