



## Model 2024 Vibration Switch

**Features:** Powered by 24 VDC Monitors Vibration Velocity in/sec (user adjustable) Automatic Alarm and/or Shutdown Adjustable Time Delay - prevents false trips Factory preset or user selectable limits Rugged, reliable operation Easy installation

### Applications

Automated Commercial Building Systems (BAS) Industrial Buildings (HVAC) Variable Frequency Drives (VFDs) and Fans (AHUs) Motors and Pumps



### Specifications:

**LIMITS:** One Limit set at maximum Velocity Level of 0.1 to 2.0 in/sec Peak (user adjustable) **VELOCITY RANGE:** 0.1 to 2.0 in/sec Peak (2.54 to 50.8 mm/sec Peak) **Factory preset:** 0.5 ips **FREQUENCY RANGE:** 2 to 1000 Hz (120 to 60,000 RPM) **TIME DELAY:** 2 to 20 seconds (user adjustable) **Factory preset:** 10 seconds **LIMIT OUTPUT:** SPDT Relay, Failsafe (relay energized when not alarmed) **LIMIT RELAY**

**RATING:** 5 A @ 30 VDC or 250 VAC

**ACCURACY:** 5% FS (+/-2.5%) **AXIS**

**SENSITIVITY:** Perpendicular to base

Omni-directional mounting **INPUT**

**POWER:** 24 VDC (18 to 30 VDC), current (max) 40 mA @ 24 VDC

**ENCLOSURE:** NEMA 4X (water tight, dust tight) Polycarbonate - light grey - UV stabilized

**COVER:** Clear with Neoprene gasket. Four M4 x 20 mm mounting screws supplied.

**MOUNTING:**

Stainless Steel Mounting Plate - 2 holes (4.125" center). 1/4" hardware (not supplied) 3.228" H x 3.15" W x 2.411" D (82 x 80 x 61 mm)

**DIMENSIONS:**

**WEIGHT:**

1.1 lb (.5 kg) **LED's:** Green = Power (energized) Red = Alarm

**INDICATORS:**

Trip (relay energized) Neoprene cable seal/Strain relief. Cable diameter range: 0.157" to 0.314" (4 to 8 mm)

**CABLE ACCESS:**

**TERMINA**

**L STRIP:**

TB1 - Ground TB2 - (+) DC Power TB3 - (-) DC Power TB4 - N/C Relay (Normally Closed during energized condition/limit not tripped) TB5 - Common TB6 - N/O Relay (Normally Open during energized condition/limit not tripped)