

# 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

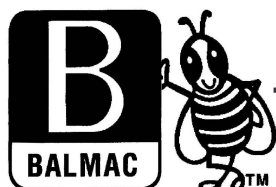
- Automated Commercial Building Systems (BAS)
- Industrial Buildings (HVAC)
- Variable Frequency Drives (VFDs) and Fans (AHUs)
- Motors and Pumps



## 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)
- DIMENSIONS:** 3.228" H x 3.15" W x 2.411" D (82 x 80 x 61 mm)
- WEIGHT:** 1.1 lb (.5 kg)
- INDICATORS:** LED's:  
Green = Power (energized)  
Red = Alarm Trip (relay energized)  
Neoprene cable seal/Strain relief.
- CABLE ACCESS:** Cable diameter range: 0.157" to 0.314" (4 to 8 mm)
- TERMINAL 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)



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