



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)

CABLE ACCESS: Neoprene cable seal/Strain relief.
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)