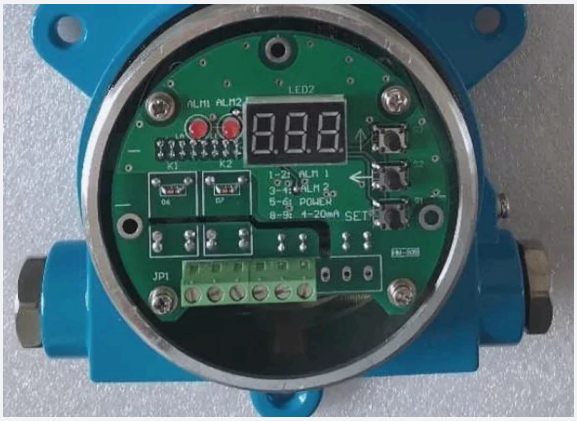
Tilt, inertial and vibration

Electronic Vibration Switch, Two Alarm Relays and 4–20mA Output

Model DW-VS

Self-contained electronic vibration switch that monitors vibration velocity from 0 to 50 mm/s (RMS) on rotating machines, with two relay alarms with adjustable delay, a 4–20 mA output, AC or DC supply and an IP65 housing.



Measuring range
0–50 mm/s RMS

Relay output
2 alarm relays

Output
4–20 mA

Features

- Self-contained: no separate vibration sensor needed
- Raises an alarm or stops the machine when vibration exceeds the set limit
- Two independent alarm set points with normally open relay contacts
- Simultaneous 4–20 mA vibration velocity output
- Alarm delay adjustable from 1 to 9 s
- Versions with 3-digit LED display and push-button setting
- Explosion-proof version available on request

Applications

Motors, Centrifuges, Fans, Pumps

Specifications

Performance	
Measuring range	0–50 mm/s (RMS)
Resolution	0.1 mm/s
Frequency response	5–400 Hz (−3 dB)
Accuracy	±2% (linearity at 30 Hz)
Measuring direction	Perpendicular to the mounting surface
Display	3-digit 0.36" LED display (display and explosion-proof versions)

Output	
Output signal	4–20 mA, accuracy ≤±1%, load ≤400 Ω
Relay output	2 high alarms, normally open contacts, 3 A / 250 V AC, 28 V DC
Alarm indication	Alarm I and Alarm II, red LEDs
Alarm delay	3 s default, settable 1–9 s
Electrical	
Power supply	100–260 V AC or 24 V DC ±4 V
Power consumption	≤3 W
Environmental	
Operating temperature	0 to +50 °C
Operating humidity	20–90% RH
Ingress protection	IP65
Hazardous-area version	Explosion-proof version available on request
Mechanical	
Dimensions	77 × 140 mm, height 92 mm
Installation method	3 × M6 × 15 mm screws on a 116 mm equilateral triangle
Weight	Approx. 1.5 kg

Ordering and support

Pricing, samples, lead time and custom versions: xyx@gzdwin.com, +86 181 0280 8901.

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