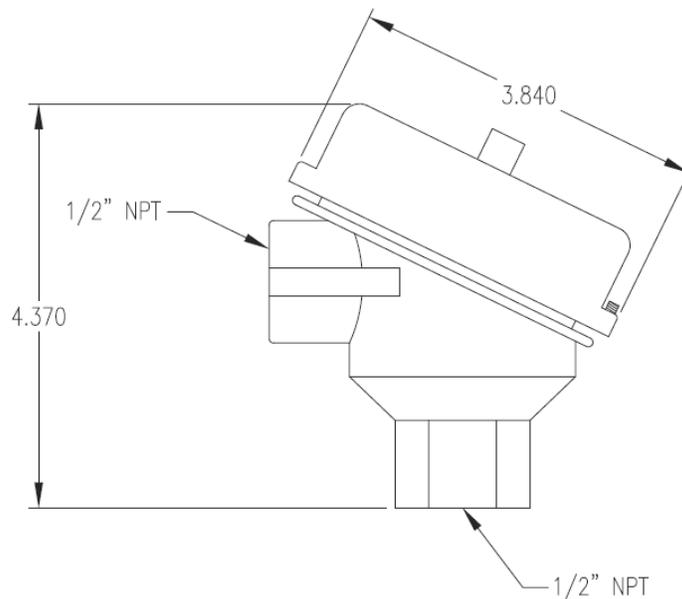


Vibration transmitter switch

VSW-100



Wilcoxon's VSW-100 vibration transmitter is a cost effective stand-alone solution that continuously monitors the vibration of simple rotating machinery, from motors, pumps and fans to more complex units such as reciprocating compressors or cooling tower gearboxes. The VSW-100 uses a time proven piezoelectric sensing element to detect machine vibration and convert it to a 4-20 mA velocity signal. User adjustable internal electronics allow trip level setting of two C-type time delay relays that can be used for local annunciation or remote alarming. A separate output is provided for the raw acceleration signal so detailed frequency analysis can be performed when needed. A chemically treated polyester coated aluminum housing provides superior protection of all the internal components in an affordable package that Wilcoxon customers have come to expect.



Key features

- Vibration velocity, 4-20 mA
- Acceleration time waveform
- Chemically resistant polyester coated aluminum housing
- Standalone machinery protection
- Two individual relays for alarm or shutdown
- Manufactured in an approved ISO 9001 facility

Certifications



Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release.

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Wilcoxon Sensing Technologies
An Amphenol Company

Vibration transmitter switch

VSW-100

SPECIFICATIONS

Output, 4-20 mA		
Velocity full scale, DIP switch selected		0.75, 1.5, 3.0 ips peak
Frequency range	± 3 dB	4 - 640 Hz
Output, dynamic		
Sensitivity ($\pm 10\%$)		100 mV/g
Frequency response	$\pm 10\%$	5 - 1,000 Hz
Operating temperature		-30 to +85° C
Storage temperature		-30 to +95° C
Enclosure classification		IP68 housing
Sensor type, built-in		piezoelectric accelerometer
Power		20 - 30 VDC, 60 mA max
Electrical connectors		spring terminals, 16-24 AWG, standard
Output relays		2 C-type contacts, non-latching
	time delay	1 or 5 seconds, DIP switch selectable
Housing material		aluminum
Weight		1.5 lbs (0.7 kg)
Shock limit		1,000 g peak

Contact

Wilcoxon Sensing Technologies

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Germantown MD 20876, USA

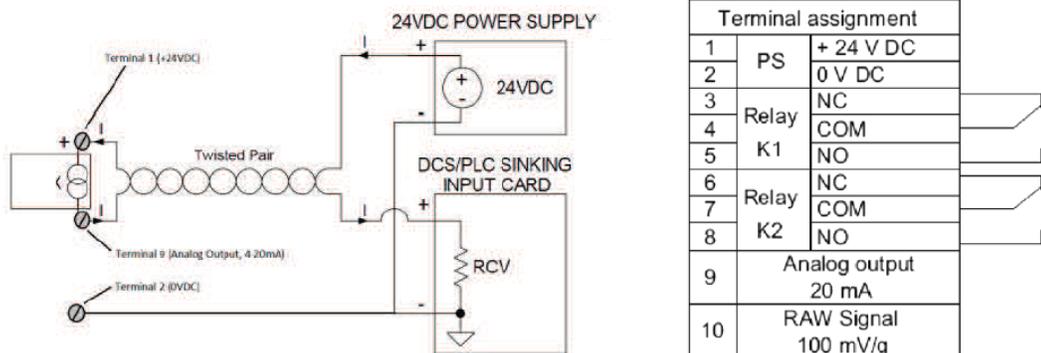
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Visit www.wilcoxon.com for complete manual.

Wiring diagram



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