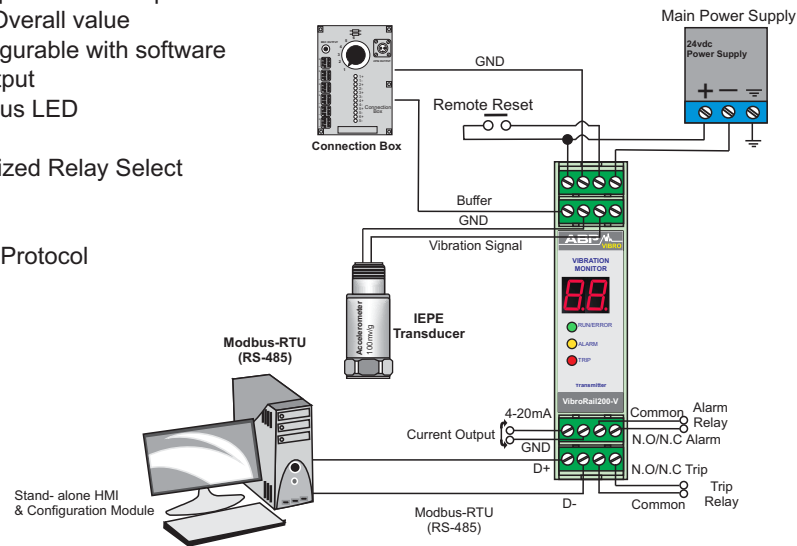


VibroRail200-V

Vibration Transducer/Monitor Module

Feature

- ICP® /Voltage/Current Transducer
- Acceleration/Velocity/Displacement Output
- Analog Output: 4-20mA Overall value
- 2 output relays fully configurable with software
- Buffered acceleration output
- ICP® transducer OK status LED
- DIN Rail Mounting
- Energized and De-energized Relay Select
- Push-in type Connectors
- Delay shutdown function
- Supported Modbus RTU Protocol



Technical data

VibroRail200-V

Analogue Inputs	Any type of vibration sensor	Power Input	+24 V DC (50 mA)
Frequency Range	1 Hz to 10 kHz (-3dB) (Optional)	Output 1	0-20 mm/s rms Velocity (Other ranges available)
Lowpass Filter	Butterworth force filter order 8-pole	Output 2 (BNC)	Buffered acceleration output without Bias voltage
Dynamic Range	80 db	Relays Output	2 SPDT, 1A Form C 24Vdc
Configuration Software	Rack Configuration	LED Stature	3 LEDs Run/Error, Trip, Alarm
Communication Protocol	Modbus RTU	Signal Conditioner:	Amplifier/integrator to obtain velocity or displacement response
Communication Port	RS-485		

Physical

Environmental

Case Material	Plastic	Operating temperature range	0 to 55 °C
Mounting	DIN Rail TS35 (Top Hat)	Installation Category (IEC664)	II
Dimensions	134 x 99 x 22.5 mm (H x D x W) including BNC	Equipment Class (IEC536)	III
Connections	Push in Clamp	EMC	EN61326-1:2013
Conductor Size	0.5 to 4.0 mm		
Weight	110 g (nom)		

How To Order

Standard order: I-A-100A-02-05-V-01K-10-O-EN

Configuration	Input type	Input transducer	Full Scale Range	Alert Value	Output Units	Low Pass Filter	High Pass Filter	Output	Relay Type
I = ISO (Standard Order) F = Factory configured VibroRail200V System is user configuration after initial setup & accept frequency filters	A=Acceleration V=Velocity D= Displacement	500A = 500 mV/g Accelerometer 100A = 100 mV/g Accelerometer 050A = 50 mV/g Accelerometer 010A = 10 mV/g Accelerometer 100V = 100 mV/IPS Velocity Sensor 500V = 500 mV/IPS Velocity Sensor 200D = 200 mV/mils Displacement 008D = 8 V/mm Displacement	01 = 0-200 02 = 0-100 05 = 0-40 10 = 0-20	01=1 02=2 03=3 04=4 05=5 xx=X	A=m/s ² V=mm/s U=μm	01K =1KHz 02K =2KHz xxK=XK	10= 10Hz 02= 2Hz	O=4-20mA (Overall value) D=4-20 mA (Dynamic signal)	EN =Energized DE =De-energized

ABPVIBRO 1404/04/17 V-2.0