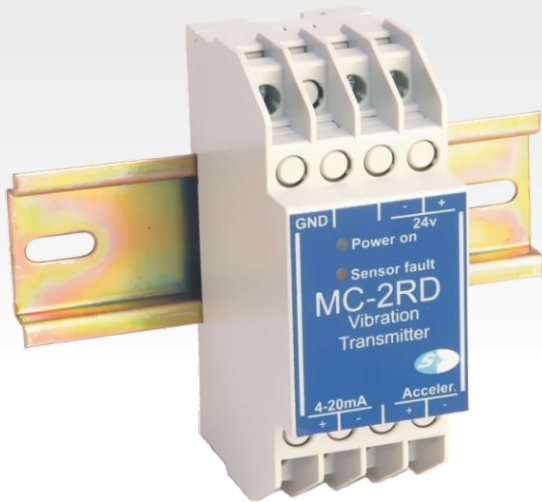




Vibration Transmitter MC-2RD



Mounting: DIN rail
High performance and low-cost
Output: 4-20 mA
Sensor fault indicator led
Parallel connection for other electrical variables
Easy to install

Specifications:

The MC-2RD has 4 different measurement versions for different applications.

RMS velocity version or O-peak. It controls the vibration level related with mounting, misalignment, imbalance problems, as well as any fault in white metal bearings.

RMS acceleration version or O-peak. It controls the vibration level related with lubrication, cavitation problems and small or severe bearing faults.

The MC-2RD is the newest and low-cost vibration measurement solution for On-line monitoring of critical rotating machinery.

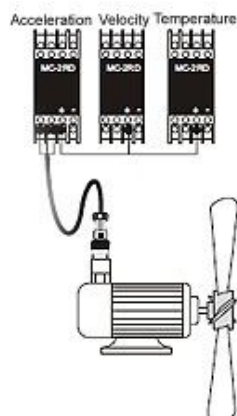
This monitor controls the vibration levels of any kind of rotating machinery, no matter its power, protecting the machinery from any vibration variation.

The module MC-2RD is easy to install because of it's housing in an electrical panel just by a Din rail. The signal from the transmitter MC-2RD is converted to give a 4-20mA output signal; this is achieved by means of a simple connection with a sensor mounted on the machinery and another connection from the 4-20mA output to an analog PLC input.

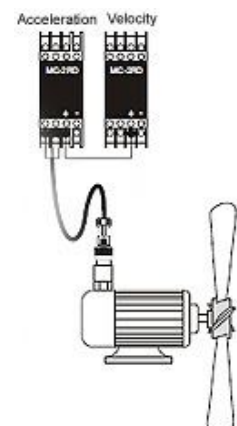
By means of this connection every monitoring and vibration control tools are available to use, as well as alarm settings and machinery interruption configuration before high vibration levels, in order to protect the equipment from prolonged defective operation.

The MC-2RD has a fault/disconnected sensor indicator. Every output and input connectors are available at the front part of the module for an easy and quick connection.

3 Modules configuration
One DUAL type sensor
monitoring 3 different
variables simultaneously



2 modules configuration
One multipurpose type
sensor
monitoring 2 different



Vibration Transmitter MC-2RD

Specifications:

MC-2RD Measurement module
 Input: Accelerometer 50 / 100 / 500 mV/g
 Frequency range: Acceleration 1Hz a 10.000 Hz - Velocity 1Hz a 1000Hz
 Accuracy: 1%
 Power supply: 24V
 Output signal: 4-20 mA (Scale proportional)
 Temperature range: -32°C a + 80°C
 Relative humidity: 0 - 95 % (with no condensation)
 Housing: ABS. Hermetic.
 Measurements variables: Acceleration, Velocity and Temperature.
 Type: RMS
 Mounting: DIN rail.

Vibration sensors for MC-2RD:

Multipurpose sensor:

Sensitivity: +/-10% 100 mV/g
 Frequency response: +/-3 dB 0,5-15000 Hz +/-10% 2,0-10000 Hz
 Dynamic range: +50 g, peak
 Operating temperature range: -50 to 121° C
 Maximum shock: 5000 g, peak
 Weight: 90 gms
 Case material: 316L Stainless steel
 Mounting: 1/4-28 UNF
 Output connector: 2 Pin MIL-C-5015

Dual sensor (vibration/temperature):

Sensitivity: +/-10% 100 mV/g
 Frequency response: +/-3 dB 0,5-15000 Hz +/-10% 2,0-10000 Hz
 Dynamic range: +50 g, peak
 Output temperature: 10 mV/°C
 Operating temperature range: -50 to 121° C
 Maximum shock: 5000 g, peak
 Weight: 90 gms
 Case material: 316L Stainless steel
 Mounting: 1/4-28 UNF
 Output connector: 2 Pin MIL-C-501

