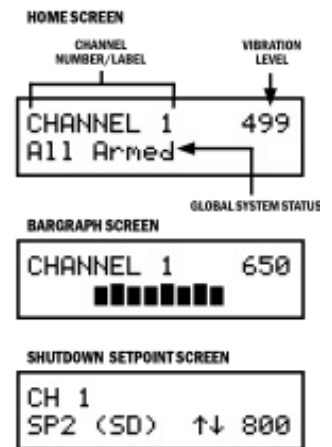


VSM-800 VIBRATION SENSING MONITOR

- Protects natural gas-fueled engines from damage due to excessive vibration
- A single VSM monitors all major vibration points on a natural gas or diesel engine, compressor, pump or other process
- Accepts up to 8 low-cost piezoelectric vibration sensors as system inputs
- Eliminates troublesome on-engine mechanical vibration switches
- Alarm and shutdown setpoints and outputs
- Modbus RTU supported for remote monitoring

The Altronic VSM-800 is a 32-bit, microprocessor-based instrument for protection of industrial engines, compressors and associated equipment from damage caused by excess vibration. The monitor accepts up to eight industry-standard, low-cost, piezoelectric sensors that transform mechanical vibrations into electrical signals which are then evaluated by the VSM. The resulting vibration levels are displayed on an LCD display and compared to user-adjusted setpoint levels, two per channel. If a vibration level exceeds the setpoint, an output switch – one for alarm and one for shutdown – is activated.

The VSM-800 can monitor all the vibration points of interest on an application. For example, sensors mounted on a gas compressor cooler, on the compressor cross-heads, and on each bank of the engine are individually configured for the appropriate characteristics and monitored by a single VSM device. Configuration is accomplished directly from the front device keypad. Modbus RTU communications is resident in the device allowing all vibration data to be communicated to a central controller to track the overall health and well-being of the equipment.



 CERTIFIED CLASS I,
DIVISION 2,
GROUPS C & D



Specifications

Power Requirement	10-30 Vdc, 200 mA max.
Input Frequency Range	1Hz to 2kHz
Instrument Display	2x16 character LCD, backlit
Display Update Rate	0.5 seconds nominal
Sensor Scan Rate.....	0.5 seconds
Display Update Rate	0.5 seconds nominal
Output Switches (2)	32 Vdc, 0.2 amp continuous
Output Switch Startup Timer	0 to 999 seconds, one per channel
Output Switch Trip Delay Timer	0 to 15 seconds, one per channel
Communications	RS485 Modbus RTU
Ambient Temperature Rating	-40°F. to +175°F. / -40°C. to +80°C.
Hazardous Area Classification	Class I, Div. 2, Groups C & D
Enclosure	Aluminum, powder-coated

To Order

Vibration Sensing Monitor 8-Points VSM-800

Vibration Sensor 615107*

* Bosch 0 261 231 148

Sensor Cables:

10' length	693134-1
20' length	693134-2
30' length	693134-3
40' length	693134-4
50' length	693134-5
100' length.....	693134-6

Applications

- Engines
- Compressors
- Turbochargers
- Cooling Towers
- Motors
- Pumps
- Fans
- Critical Rotating Machinery

ALTRONIC

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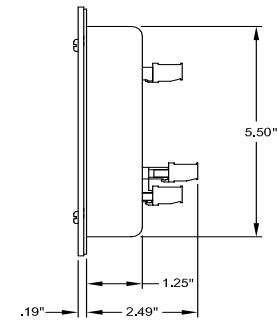
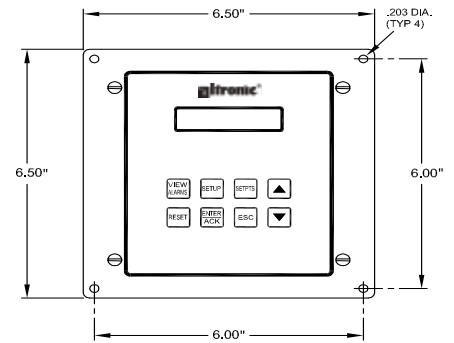
712 Trumbull Avenue / Girard, Ohio 44420

(330) 545-9768 / Fax: (330) 545-3231

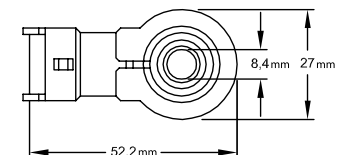
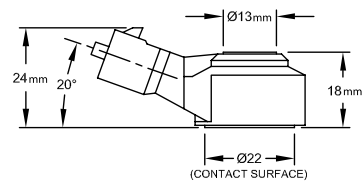
www.altronic-llc.com / Email: sales@altronic-llc.com

Form VSM800 11-24 ©2024 Altronic, LLC

Dimensions



Sensor Dimensions



Typical Sensor Mounting Locations

