

### Electro-Sensors Product: VS1 / VS2 Vibration Monitors

**Application:** Monitor for excess vibration due to wear and tear.

**Purpose:** The abrasive action of the hammers and the type of material being reduced can wear the hammers or crushers out unevenly, causing imbalance and excessive vibration which, if left unchecked can lead to catastrophic damage to machinery, product waste, and dangerous operating conditions. Mounting a vibration monitor on the external enclosure of a hammermill or crusher provides a means of quickly identifying a fault condition, and enabling immediate shut down minimizing machinery damage and product waste.

**How it works:** The VS1 mounts directly to the hammermill or crusher and has an adjustable relay output that can be wired to an alarm or motor shutdown circuit. The VS1 has three LEDs on the front cover for at-a-glance visual indication of the circuit condition and easy visual machine status inspection. Calibration is quick and easy minimizing costly machine downtime. The VS1 is a self-contained vibration monitoring system and can be installed without any additional brackets or mounting equipment. It has an input voltage of 24 Vdc with the option of a 115 Vac power supply to cover most applications.

### Benefits

- Economical self-contained unit
- Rugged and compact vibration monitor
- Installs on a wide range of machinery
- Alarm delay avoids false trips on startup and normal operation
- Simple installation and calibration avoids costly downtime

