



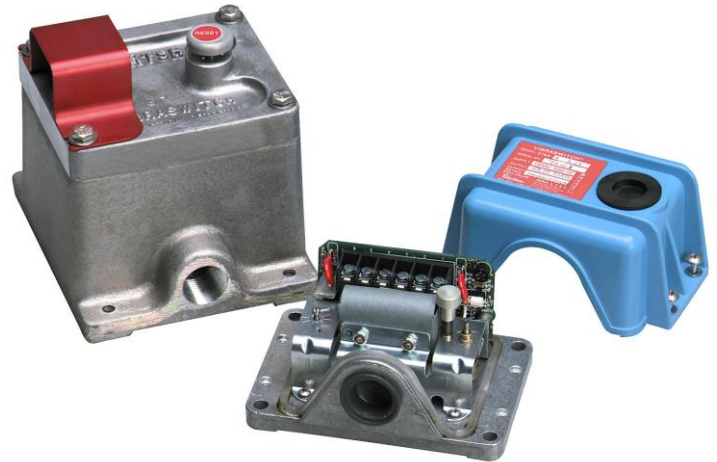
Model 375A/376A Vibraswitch® Malfunction Detectors

General Description

These Robertshaw Vibraswitch Malfunction Detectors are acceleration sensitive vibration instruments with electronic circuitry to provide maximum protection to rotating and reciprocating machinery due to damages resulting from mechanical malfunctions. Although identical in outside appearance and dimensionally the same as the existing Models 365 and 366, these instruments include "built-in" electronic circuitry for start and/or monitoring time delay functions for the prevention of false shutdowns resulting from transient vibrations. All models include provisions for remote reset.

"Start Delay" is often required on machines that start automatically and exhibit excessive vibration for short periods of time only during starting. Proper set point adjustment on the Vibraswitch for adequate protection during normal running conditions may cause the Vibraswitch to "trip" as the instrument senses these high starting transient vibrations without the use of "Start Delay." Examples of such machines are refrigeration compressors and high-speed turbines.

"Monitor Delay" is required on machines that exhibit excessive vibration of a transient nature which occurs during normal operation. If a Vibraswitch without monitor delay has its set point sufficiently high so as not to trip-out under the transient vibration levels, inadequate protection would result during the normal running conditions. Examples of this type machine include liquid pumps that experience momentary cavitations resulting in excessive vibration.



Features and Benefits:

- **Complete Vibration Protection in a Single Package**
Reasonably priced, lower installation costs
- **Explosion Proof Model (375A)**
FM Approved
InMetro Approved
- **Weather Proof Model (376A)**
NEMA 4
NEMA 4X (optional)
- **Acceleration Sensitive**
Measures destructive forces
- **Selectable Time Delay Control Options**
Permits maximum application flexibility
- **Ease of Adjustment**
Set it and forget it – one adjustment
- **Continuous Reliable Protection**
No attention required after installation
- **Solid State Switching**
Alarm or shutdown voltage completely isolated from instrument supply