

### FEATURES

- No Critical Sensor Alignment
- Strap-On Sensing Magnet Requires No Drilling or Tapping of Equipment Shaft
- Latching or Non-Latching SPDT Relay with Time Delay
- Compact Design for Space Savings
- Explosion Proof Enclosure



### APPLICATIONS

#### Liquid:

- Pumps
- Agitators
- Stirring Equipment

#### Dry:

- Belt Conveyors
- Bucket Elevators
- Rotary Airlocks
- Rotating Equipment

### DESCRIPTION

The A22 Speed Switch precisely monitors rotating equipment and provides an output for “loss of speed”. The unit’s total package includes power supply, adjustable speed setting, 10 second delay, latching output relay, magnet, and explosion proof enclosure. The unit is highly accurate in spite of its low purchase and installation cost. Simple calibration allows the unit to monitor from 2 to 250 RPM. (Optional 200 to 1000 RPM).

The Speed Switch measures the time of each equipment rotation and either alarms or shuts equipment down if the rotation is too slow. In operation, the Speed Switch is powered simultaneously with the equipment start. Once power is applied, a 10 second time delay gives the machine time to come up to normal speed. The unit then begins checking each machine rotation to ensure that proper speed is maintained.

To install the Speed Switch, simply strap the magnet to the shaft or any other convenient rotating portion of the equipment. Mount the Speed Switch so that the magnet will pass within approximately 1/4” of the end of the probe. Critical alignment is not required.

### SPECIFICATIONS

Environmental	
Temperature	-40° to +185°F / -40° to +85°C -40° to +185°F / -40° to +85°C
Hazardous Area Classification	Class I, Div. 1 & 2, Groups C & D; Class II, Div. 1 & 2, Groups E, F, & G, Class III; NEMA 4
Electrical	
Input Power	Standard: 95-130 VAC, 50-60 Hertz, 2 Watts Optional: 10-18 VDC or 18-35 VDC @ 260mA Max
Relay Rating	1 Form C Resistive Rating: 3 amps, 250 VAC; 3 amp, 30 VDC Inductive Rating: Not Available
Mechanical	
Dimensions	8"x3.75"x4.5" (19.6x9.4x11.5cm)
Weight	2.3 lbs / 1.04 kg

## ORDERING INFORMATION

A22 / a / b / c / d	
a	Operating Voltage
	/AC 120 VAC
	/DC 12 VDC
b	Speed Range
	/LS 2-250 RPM
	/HS 200-1000 RPM
c	Relay Type
	/L Latching
	/N Non-Latching
d	Options
	/0 No options
	/C Epoxy Coated Enclosure
	/D 24 VDC Input Power
	/L Stainless Steel Tags
	/Z Any Special Options Not Included Above will Carry the "Z" Designation