



MAXIGARD™

ADJUSTABLE SPEED SWITCH

Maxigard A3000 Slow Speed Switch

FUNCTION:

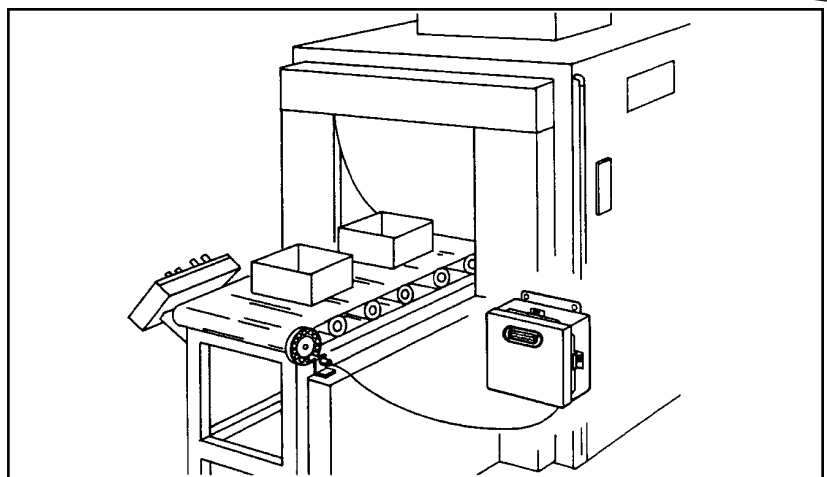
- Indicate broken or slipping drive belts
- Detect under speed conditions of mechanical equipment
- Prove rotation for interlocked equipment
- Indicate mechanical failure
- Prevent costly down time and repairs

ADVANTAGES:

- Up to 3/4 inch gap tolerance between sensor and target
- Sensor is not affected by material buildup or moisture
- Sensor signal can be run up to 1,000 feet
- Complete system includes sensor, target, circuit and enclosure
- No mechanical parts
- Signals true zero speed
- Five year warranty

APPLICATIONS

- Conveyors
- Rotary Airlocks
- Screw Feeders
- Drying & Coating Ovens
- Reclaimers
- Centrifuge Interlock
- Dust Collectors
- Shredding Machines



Typical Application: Monitor a slow moving conveyor belt carrying products through a dryer or oven, preventing damaged product. The A3000 can monitor the speed and alarm if the speed slows below the calibrated set point.

STANDARD SYSTEM INCLUDES:

Magnetic Disc ● Sensor ● 10' of 3 Wire Cable ● Mounting Bracket ● NEMA 4 Enclosure with Circuit and 10 Amp - DPDT Relay

MAXIGARD™ A3000/A3000C

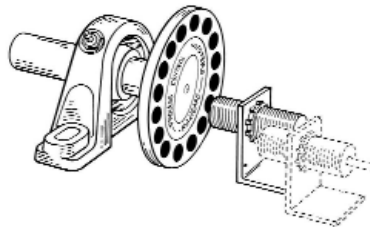
SPECIFICATIONS:	A3000	A3000C
Power Requirements	115 VAC, \pm 10% 50/60 Hz	115 VAC, \pm 10% 50/60 Hz
Power Consumption	10 Volt-Amps	10 Volt-Amps
Operating Temperature	-40°F To +185°F	-40°F To +185°F
Sensor To Target Tolerance	1/8" To 3/4"	1/8" To 3/4"
Sensor Output	12 VDC NPN	12 VDC NPN
Sensor Construction	Anodized Aluminum Epoxy Encapsulated	PVC Epoxy Encapsulated
Sensor Cable	22 Gauge / 3 Wire Shielded Belden 8771 or equal	22 Gauge / 3 Wire Shielded Belden 8771 or equal
Set Point Speed Range	.1 RPM to 5 RPM	.1 RPM to 5 RPM
Set Point Type	Single Adjustable	Single Adjustable
Start Delay	Optional	Optional
Set Point Accuracy	\pm 1% of Full Scale	\pm 1% of Full Scale
Magnetic Disc	4" Dia./Anodized Alum.	4" Dia./PVC
Enclosure	UL Listed NEMA 4 6" x 6" x 4"	UL Listed NEMA 4X Fiberglass 8" x 6.5" x 5.38"
Switch Output	One DPDT-10A Relay @ 115/230 VAC 30 VDC Resistive	One DPDT-10A Relay @ 115/230 VAC 30 VDC Resistive

SPECIFICATIONS MAY CHANGE WITHOUT NOTIFICATION

Options:

Explosion Proof Sensor
Explosion Proof Enclosure
Magnet Wrap
Indicating lights
Warning Horn
Special Magnet Target
220 VAC

Altra-gap



1/8" to 1" air gap between disc & sensor

FEATURES:

- Will work in challenging applications
- Is not affected by material buildup or moisture
- Will work when out of alignment
- Up to 3/4" gap tolerance
- Sensor can be remote mounted up to 1,000 ft.
- Will work in applications with vibration
- Designed for industrial applications



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