



MAXIGARD™

ADJUSTABLE SPEED SWITCH

Maxigard A1000/A1000C Single Set Point Speed Switch
Maxigard A2000/A2000C Dual Set Point Speed Switch

FUNCTION:

- Indicate broken or slipping drive belts
- Detect over speed or under speed conditions of mechanical equipment
- Indicate mechanical failure
- Protect mechanical equipment
- Reduce down time

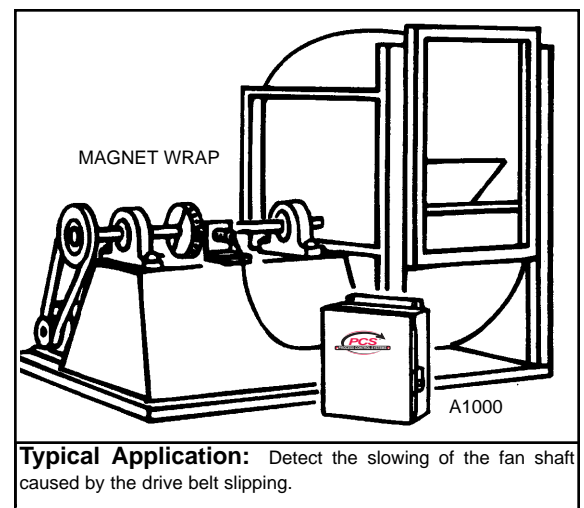
ADVANTAGES:

- Up to 1 inch gap tolerance between sensor and target
- Is not affected by material buildup or moisture
- Sensor signal can be run up to 10,000 feet
- Set Point range from 5 RPM to 10,000 RPM
- Complete system includes sensor, target, circuit and enclosure
- Five Year Warranty



APPLICATIONS:

- Monitor conveyor speed and indicate broken or slipping drive belts
- Prove efficient operating speed of centrifugal fans
- Indicate broken screw conveyor shaft
- Monitor mixers, blenders and crushers for loss of speed
- Indicate slipping bucket elevator belt to avoid burned belt



Typical Application: Detect the slowing of the fan shaft caused by the drive belt slipping.

STANDARD SYSTEM INCLUDES:

Magnetic Disc ● Sensor ● 10' of 2 Wire Cable ● Mounting Bracket ● NEMA 4 Enclosure with Circuit and 10 Amp - DPDT Relay(s)

MAXIGARD™ A1000/A2000

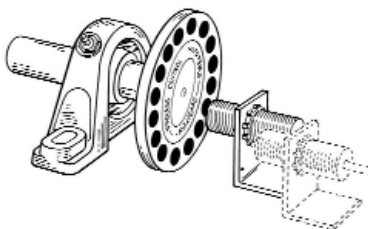
SPECIFICATIONS:	A1000	A1000C	A2000	A2000C
Power Requirements	115 VAC, ± 10% 50/60 Hz	115 VAC, ± 10% 50/60 Hz	115 VAC, ± 10% 50/60 Hz	115 VAC, ± 10% 50/60 Hz
Power Consumption	10 Volt-Amps	10 Volt-Amps	12 Volt-Amps	12 Volt-Amps
Operating Temperature	-40°F To +140°F	-40°F To +140°F	-40°F To +140°F	-40°F To +140°F
Sensor To Target Tolerance	1/8" To 1"	1/8" To 1"	1/8" To 1"	1/8" To 1"
Sensor Output	≤ 5.1 VAC	≤ 5.1 VAC	≤ 5.1 VAC	≤ 5.1 VAC
Sensor Construction	Anodized Aluminum Epoxy Encapsulated	PVC Epoxy Encapsulated	Anodized Aluminum Epoxy Encapsulated	PVC Epoxy Encapsulated
Sensor Cable	22 Gauge / 2 Wire Shielded Belden 8761 or equal	22 Gauge / 2 Wire Shielded Belden 8761 or equal	22 Gauge / 2 Wire Shielded Belden 8761 or equal	22 Gauge / 2 Wire Shielded Belden 8761 or equal
Speed Range	5 RPM to 10,000 RPM	5 RPM to 10,000 RPM	5 RPM to 10,000 RPM	5 RPM to 10,000 RPM
Set Point Type	Single Adjustable	Single Adjustable	Dual Adjustable	Dual Adjustable
Start Delay	7.5 Sec. on Power up	7.5 Sec. on Power up	7.5 Sec. on Power up	7.5 Sec. on Power up
Set Point Accuracy	± 2% of Full Scale	± 2% of Full Scale	± 2% of Full Scale	± 2% of Full Scale
Magnetic Disc	4" Dia./Anodized Alum.	4" Dia./PVC	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"	UL Listed NEMA 4 8" x 6" x 3.5"	UL Listed NEMA 4X Fiberglass 10.5" x 6.5" x 5.88"
Switch Output	One DPDT-10A Relay @ 115/230 VAC 30 VDC Resistive	One DPDT-10A Relay @ 115/230 VAC 30 VDC Resistive	Two DPDT-10A Relay @ 115/230 VAC 30 VDC Resistive	Two DPDT-10A Relay @ 115/230 VAC 30 VDC Resistive

SPECIFICATIONS MAY CHANGE WITHOUT NOTIFICATION

Options:

Explosion Proof Sensor
Explosion Proof Enclosure
Digital Meter
Analog Meter
Magnet Wrap
Warning Horn
Special Magnet Target
12 or 24 VDC / 230 VAC
High Temperature

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 1" gap tolerance
- Sensor can be remote mounted up to 10,000 ft.
- Will work in applications with vibration
- Designed for industrial applications

Sold By:



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