



MAXIGARD™

ADJUSTABLE SPEED SWITCH

Maxigard A1100 Single Set Point Speed Switch Maxigard A1200 Dual Set Point Speed Switch

FUNCTION:

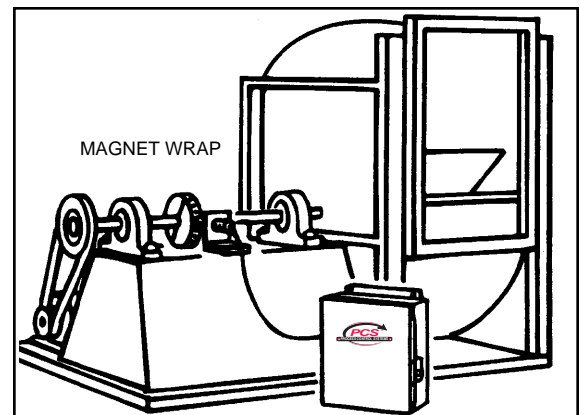
- Indicate broken or slipping drive belts
- Detect over speed or under speed conditions of mechanical equipment
- Indicate mechanical failure
- Protect mechanical equipment
- Reduce down time

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
- Analog 4-20 MA or 0-10 VDC output available
- Complete system includes sensor, target, circuit and enclosure
- Five year warranty

APPLICATIONS:

- Belt Conveyors
- Rotary Airlocks
- Bucket Elevators
- Screw Conveyors
- Blenders/ Mixers/ Agitators
- Fans



Typical Application: The A1100 or A1200 will monitor a fan shaft and indicate if the shaft slows down below the calibrated set point. An analog signal can also be transmitted to a PLC, DCS or other types of controlling devices.

STANDARD SYSTEM INCLUDES:

Magnetic Disc ● Sensor ● 10' of 2 Wire Cable ● Mounting Bracket ● NEMA 4 Enclosure with Circuit and 7 Amp - DPDT Relay(s)

MAXIGARD™ A1100/A1200

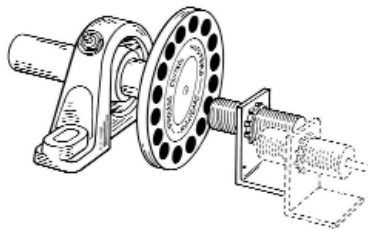
SPECIFICATIONS:	A1100	A1200
Power Requirements	115/230 VAC, ± 10% 50/60 Hz	115/230 VAC, ± 10% 50/60 Hz
Power Consumption	4.5 Volt-Amps	6 Volt-Amps
Operating Temperature	-40°F To +140°F	-40°F To +140°F
Sensor To Target Tolerance	1/8" To 1"	1/8" To 1"
Sensor Output	≤ 5.1 VAC	≤ 5.1 VAC
Sensor Construction	Anodized Aluminum Epoxy Encapsulated	Anodized Aluminum Epoxy Encapsulated
Sensor Cable	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
Set Point Type	Single Adjustable	Dual Adjustable
Start Delay	7.5 Seconds on Power up	7.5 Seconds on Power up
Set Point Accuracy	± 2% of Full Scale	± 2% of Full Scale
Magnetic Disc	4" Diameter/Anodized Aluminum	4" Diameter/Anodized Aluminum
Enclosure	UL Listed NEMA 4 10" x 8" x 4"	UL Listed NEMA 4 10" x 8" x 4"
Switch Output	One DPDT-7A Relay @ 115/230 VAC 30 VDC Resistive	Two DPDT-7A Relay @ 115/230 VAC 30 VDC Resistive
Transmitter Output (optional)	4-20 MA or 0-10 VDC	4-20 MA or 0-10 VDC

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
4-20 MA or 0-10 VDC Output

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:



327 Lake Hazeltine Drive
Chaska, MN 55318
Toll Free: 800-328-0738 U.S. and Canada
Fax: 952-3684129
<http://www.maxigard.com>
E-Mail: info@maxigard.com