



# MAXIGARD™

## ADJUSTABLE SELF CONTAINED SPEED SWITCH

Maxigard A1500, A1500NF, A1500GEC Single Set Point Speed Switch  
 Maxigard A2500 Dual Set Point Speed Switch

### FUNCTION:

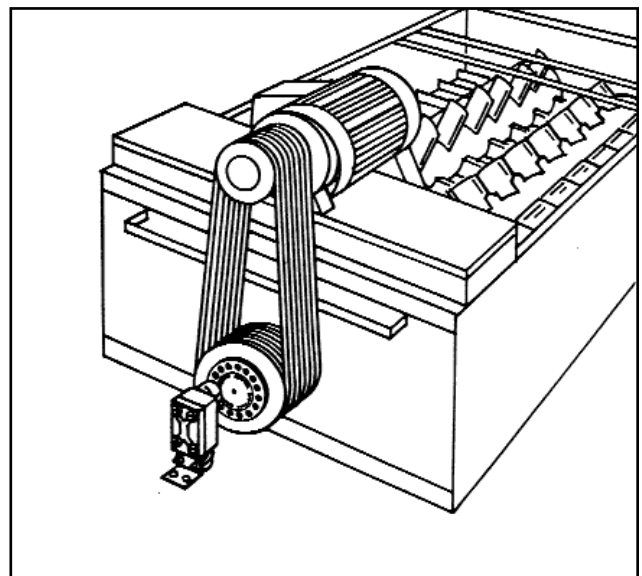
- Indicate broken/slipping conveyor belts
- Indicate broken/slipping drive belts
- Prevent belt over loading
- Signal PLC to prove rotation
- Provide rotation signal for interlocked material handling equipment

### ADVANTAGES:

- Complete system
- LED indicating light for easy calibration
- Start delay feature (A1500GEC, A2500)
- Monitors speed ranges from 10 RPM to 4,000 RPM
- Designed for industrial applications
- Five Year Warranty

### APPLICATIONS:

- Belt conveyors
- Crushers
- Pumps
- Screw Conveyors
- Blowers
- Fans
- Web Drives
- Rotary Airlocks
- Bucket Elevators



**Typical Application:** Grinding and blending of dried caked waste material for safe disposal requires 24 hour continuous operation of pug mill. The A1500 or A2500 monitors the driven shaft to indicate broken or slipping drive belts.

### STANDARD SYSTEM INCLUDES:

Magnetic Disc ● Sensor ● Mounting Bracket ● Circuit with 5 AMP SPDT Relay(s) ● Switch Housing

# MAXIGARD™ A1500/A1500GEC/1500NF/A2500

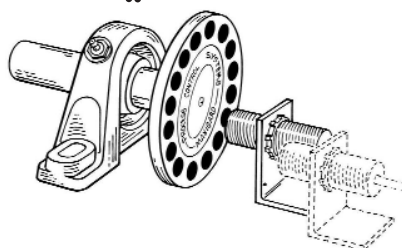
SPECIFICATIONS:	A1500	A1500GEC	A1500NF	A2500
<b>Power Requirements</b>	115 VAC, ± 10% 50/60 Hz	115 VAC, ± 10% 50/60 Hz	115 VAC, ± 10% 50/60 Hz	115 VAC, ± 10% 50/60 Hz
<b>Power Consumption</b>	2 Volt-Amps	2 Volt-Amps	2 Volt-Amps	5 Volt-Amps
<b>Operating Temperature</b>	-40°F To +140°F	-40°F To +140°F	-40°F To +140°F	-40°F To +140°F
<b>Sensor To Target Tolerance</b>	1/8" To 1"	1/8" To 1"	1/8" To 1"	1/8" To 1"
<b>Sensor Construction</b>	Anodized Aluminum Epoxy Encapsulated	Anodized Aluminum Epoxy Encapsulated	Anodized Aluminum Epoxy Encapsulated	Anodized Aluminum Epoxy Encapsulated
<b>Sensor Cable</b>	9" Pigtail/ 18 Gauge	9" Pigtail/ 18 Gauge	9" Pigtail/ 18 Gauge	Terminal Connection
<b>Speed Range</b>	10 RPM to 4,000 RPM	10 RPM to 4,000 RPM	10 RPM to 4,000 RPM	5 RPM to 10,000 RPM
<b>Set Point Type</b>	Single Adjustable	Single Adjustable	Single Adjustable	Dual Adjustable
<b>Start Delay</b>	Not Available	7.5 Sec. on Power up	Not Available	7.5 Sec. on Power up
<b>Set Point Accuracy</b>	± 2%-4% of Full Scale	± 2%-4% of Full Scale	± 2%-4% of Full Scale	± 2% of Full Scale
<b>Magnetic Disc</b>	4" Dia./Anodized Alum.	4" Dia./Anodized Alum.	4" Dia./Anodized Alum.	4" Dia./Anodized Alum.
<b>Enclosure</b>	UL Listed / CSA Certified Cast Aluminum Class I Div 1&2, Gr C&D Class II Div 1&2, Gr E,F,G Class III	UL Listed / CSA Certified Cast Aluminum Class I Div 1&2, Gr D Class II Div 1&2, Gr E,F,G Class III	UL Listed / CSA Certified NEMA 3 PVC Housing	UL Listed / CSA Certified Cast Aluminum Class I Div 1&2, Gr D Class II Div 1&2, Gr E,F,G Class III
<b>Switch Output</b>	One SPDT-5A Relay @ 115/230 VAC 30 VDC Resistive	One SPDT-5A Relay @ 115/230 VAC 30 VDC Resistive	One SPDT-5A Relay @ 115/230 VAC 30 VDC Resistive	Two SPDT-5A Relay @ 115/230 VAC 30 VDC Resistive

SPECIFICATIONS MAY CHANGE WITHOUT NOTIFICATION

## Options:

Magnet Wrap  
12 or 24 VDC / 230 VAC  
Digital Meter (A2500)  
Analog Meter (A2500)  
High Temperature  
Warning Horn  
Special Magnet Target

**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
- Will work in applications with vibration
- Designed for industrial applications



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Sold By: