



# MAXIGARD™

## ZERO SPEED SWITCH

### Maxigard A5000 Series Zero Speed Switch

#### **FUNCTION:**

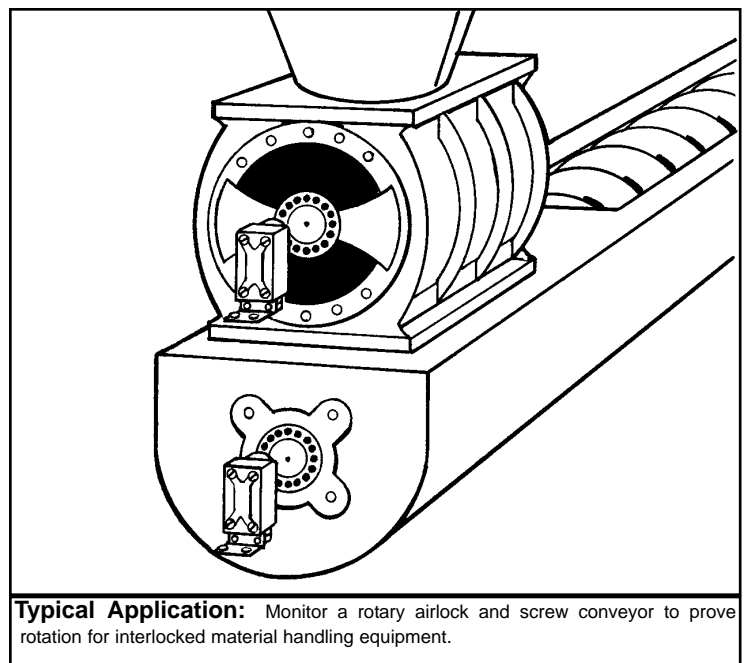
- Prove rotation of mechanical equipment
- Protect mechanical equipment
- Control other equipment for sequential starting or stopping
- Detect drive failure
- Provide rotation signal to PLC

#### **ADVANTAGES:**

- Up to 3/4 inch gap tolerance
- LED indicating light for easy installation
- 5 amp relay output
- Monitors all speed ranges
- Enclosures for any environment
- Five Year Warranty

#### **APPLICATIONS:**

- Drag Conveyors
- Gear Drives
- Pumps
- Screw Conveyors
- Rotary Airlocks
- Signal feedback to programmable controllers
- Dust Collectors
- Blenders



**Typical Application:** Monitor a rotary airlock and screw conveyor to prove rotation for interlocked material handling equipment.

#### **STANDARD SYSTEM INCLUDES:**

Magnetic Disc ● Sensor ● Mounting Bracket ● Circuit with Relay and Enclosure or Housing

# MAXIGARD™ A5000/A5000NF/A5000B/A5000C

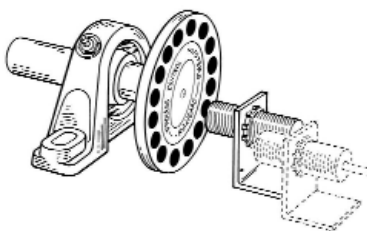
SPECIFICATIONS:	A5000	A5000NF	A5000B	A5000C
<b>Power Requirements</b>	115 VAC, ± 10% 50/60 Hz	115 VAC, ± 10% 50/60 Hz	115 VAC, ± 10% 50/60 Hz	115 VAC, ± 10% 50/60 Hz
<b>Power Consumption</b>	2 Volt-amps	2 Volt-amps	2 Volt-amps	2 Volt-amps
<b>Operating Temperature</b>	-40°F To +140°F	-40°F To +140°F	-40°F To +140°F	-40°F To +140°F
<b>Sensor To Target Tolerance</b>	1/8" To 3/4"	1/8" To 3/4"	1/8" To 3/4"	1/8" To 3/4"
<b>Sensor Output</b>	Not Applicable	Not Applicable	12 VDC NPN	12 VDC NPN
<b>Sensor Construction</b>	Anodized Aluminum Epoxy Encapsulated	Anodized Aluminum Epoxy Encapsulated	Anodized Aluminum Epoxy Encapsulated	PVC Epoxy Encapsulated
<b>Sensor Cable</b>	9" Pigtail/18 Gauge	9" Pigtail/18 Gauge	22 Gauge / 3 Wire Shielded Belden 8771 or equal	22 Gauge / 3 Wire Shielded Belden 8771 or equal
<b>Speed Range</b>	1 RPM to 10,000 RPM	1 RPM to 10,000 RPM	1 RPM to 10,000 RPM	1 RPM to 10,000 RPM
<b>Set Point Type</b>	Fixed/1 RPM	Fixed/1 RPM	Fixed/1 RPM	Fixed/1 RPM
<b>Magnetic Disc</b>	4" Dia./Anodized Alum.	4" Dia./Anodized Alum.	4" Dia./Anodized Alum.	4" Dia./PVC
<b>Enclosure</b>	Cast Aluminum Class I Div 1&2 Gr C, D Class II Div 1&2 Gr E,F G Class III	UL Listed NEMA 3 PVC	UL Listed NEMA 4 6" x 4" x 3"	UL Listed NEMA 4X Fiberglass 8" x 4.5" x 5.13"
<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	One SPDT-5A Relay @115/230 VAC 30 VDC Resistive

SPECIFICATIONS MAY CHANGE WITHOUT NOTIFICATION

## Options:

Magnet Wraps  
12/24 VDC Power  
230 VAC Power  
High Temperature  
Gasket  
Start Delay  
Special Magnet Targets

**Altra-gap™**



1/8" to 3/4" 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

Sold By:



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