



MAXIGARD™

ZERO SPEED SWITCH

Maxigard™ A5000 Series Zero Speed Switch

FUNCTION:

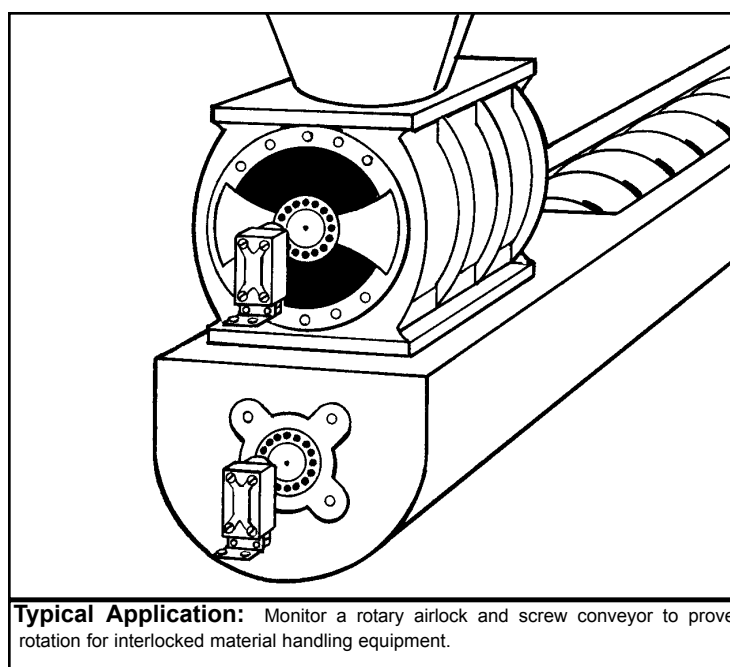
- Prove rotation of mechanical equipment
- Protect mechanical equipment
- Control other equipment for sequential starting or stopping
- Detect drive failure
- Provide rotation signal to PLC

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 Hardware ● Circuit with Relay and Enclosure or Housing

MAXIGARD™ A5000/A5000NF/A5000B/A5000C

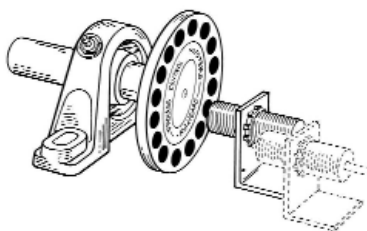
SPECIFICATIONS:	A5000	A5000NF	A5000B	A5000C
Power Requirements	115 VAC, ± 10% 50/60 Hz	100-240 VAC, ± 10% 50/60 Hz	100-240 VAC, ± 10% 50/60 Hz	100-240 VAC, ± 10% 50/60 Hz
Power Consumption	2 Volt-amps	2 Volt-amps	2 Volt-amps	2 Volt-amps
Operating Temperature	-40°F To +140°F	-40°F To +140°F	-40°F To +140°F	-40°F To +140°F
Sensor To Target Tolerance	1/8" To 3/4"	1/8" To 3/4"	1/8" To 3/4"	1/8" To 3/4"
Sensor Output	Not Applicable	Not Applicable	12 VDC NPN	12 VDC NPN
Sensor Construction	Anodized Aluminum Epoxy Encapsulated	Anodized Aluminum Epoxy Encapsulated	Anodized Aluminum Epoxy Encapsulated	PVC Epoxy Encapsulated
Sensor Cable	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
Speed Range	1 RPM to 10,000 RPM	1 RPM to 10,000 RPM	1 RPM to 10,000 RPM	1 RPM to 10,000 RPM
Set Point Type	Fixed/1 RPM	Fixed/1 RPM	Fixed/1 RPM	Fixed/1 RPM
Magnetic Disc	4" Dia./Anodized Alum.	4" Dia./Anodized Alum.	4" Dia./Anodized Alum.	4" Dia./PVC
Enclosure	Cast Aluminum Class I Div 1&2 Gr C, D Class II Div 1&2 Gr E,F G Class III	NEMA 3 PVC	UL Listed NEMA 4 6" x 4" x 3" Painted Carbon Steel	UL Listed NEMA 4X Fiberglass 8" x 4.5" x 5.13"
Switch Output	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:

Magnetic Collars
9-36 VDC Power
230 VAC Power (A5000)
High Temperature
Gasket
Start Delay
Special Magnetic 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



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Sold By: