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

**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

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
<th>A1000</th>
<th>A1000C</th>
<th>A2000</th>
<th>A2000C</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power Requirements</strong></td>
<td>115 VAC, ±10% 50/60 Hz</td>
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<tr>
<td><strong>Power Consumption</strong></td>
<td>10 Volt-Amps</td>
<td>10 Volt-Amps</td>
<td>12 Volt-Amps</td>
<td>12 Volt-Amps</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>-40°F to +140°F</td>
<td>-40°F to +140°F</td>
<td>-40°F to +140°F</td>
<td>-40°F to +140°F</td>
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<tr>
<td><strong>Sensor To Target Tolerance</strong></td>
<td>1/8” To 1”</td>
<td>1/8” To 1”</td>
<td>1/8” To 1”</td>
<td>1/8” To 1”</td>
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<tr>
<td><strong>Sensor Output</strong></td>
<td>≤ 5.1 VAC</td>
<td>≤ 5.1 VAC</td>
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<td>≤ 5.1 VAC</td>
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<tr>
<td><strong>Sensor Construction</strong></td>
<td>Anodized Aluminum Epoxy Encapsulated</td>
<td>PVC Epoxy Encapsulated</td>
<td>Anodized Aluminum Epoxy Encapsulated</td>
<td>PVC Epoxy Encapsulated</td>
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<tr>
<td><strong>Sensor Cable</strong></td>
<td>22 Gauge / 2 Wire Shielded Belden 8761 or equal</td>
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<tr>
<td><strong>Speed Range</strong></td>
<td>5 RPM to 10,000 RPM</td>
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<tr>
<td><strong>Set Point Type</strong></td>
<td>Single Adjustable</td>
<td>Single Adjustable</td>
<td>Dual Adjustable</td>
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<tr>
<td><strong>Start Delay</strong></td>
<td>7.5 Sec. on Power up</td>
<td>7.5 Sec. on Power up</td>
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<td>7.5 Sec. on Power up</td>
</tr>
<tr>
<td><strong>Set Point Accuracy</strong></td>
<td>± 2% of Full Scale</td>
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<tr>
<td><strong>Magnetic Disc</strong></td>
<td>4” Dia./Anodized Alum.</td>
<td>4” Dia./PVC</td>
<td>4” Dia./Anodized Alum.</td>
<td>4” Dia./PVC</td>
</tr>
<tr>
<td><strong>Enclosure</strong></td>
<td>UL Listed NEMA 4 6” x 6” x 4”</td>
<td>UL Listed NEMA 4X Fiberglass 8” x 6.5” x 5.38”</td>
<td>UL Listed NEMA 4 UL Listed NEMA 4X Fiberglass 10.5” x 6.5” x 5.88”</td>
<td>UL Listed NEMA 4X</td>
</tr>
<tr>
<td><strong>Switch Output</strong></td>
<td>One DPDT-10A Relay @115/230 VAC 30 VDC Resistive</td>
<td>One DPDT-10A Relay @115/230 VAC 30 VDC Resistive</td>
<td>Two DPDT-10A Relay @115/230 VAC 30 VDC Resistive</td>
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</tbody>
</table>

**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

**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

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**SPECIFICATIONS MAY CHANGE WITHOUT NOTIFICATION**