

# Rub Block 21

## Belt Misalignment Temperature Sensors

**Hazard Monitoring, Anytime, Anywhere.**

Maxi-Tronic leads the industry in providing a wide variety of reliable state-of-the-art and low cost temperature sensors for all your hazard monitoring needs.

**Maxi-Tronic RB21™ Sensors** monitor for belt misalignment conditions on bucket elevators, belt conveyors, rotary drums and other material handling equipment.

Use these sensors with Maxi-Tronic Temperature Controllers and all PLC/PC based systems. Combine with the Maxi-Tronic MaxiScan 12M Underspeed Detection and Temperature Controller for a complete hazard monitoring and protection solution.

### RB21 Alignment Sensors in Action

- Hinged mounting plate for quick inspection.
- Round sensor for simplified installation.
- 2 1/2" round brass sensing disc.
- Integral 1/2" NPT conduit fitting.
- Cordgrips are available for non-conduit installations. Low voltage cables available with integrated armor.
- CSA certified maximum ambient temperature rating: 221°F (105°C). Minimum temp.: -40°F (-40°C).



US  
CSA Certified  
Class 2, Div. 1  
Groups E, F, G



### Available Sensor Types:

- **Thermocouple:** Type T standard, others available.
- **RTD:** Industry standard PT100 type, 4 conductor (2, 3, and 4-wire compatible).
- **PTC Thermistor:** "HBRB" and MaxiScan™ compatible.
- **DigiMax™ Digital:** "1-Wire" digital for DigiMax™, PLC, MaxiScan 12/12M Controller and MaxiTrack™ PC software.
- **Temperature Switch:** 120VAC 1A rated contacts, N/O or N/C, 105°F through 265°F setpoints are available. UL Rated Cable: PLTC-ER, CMG, 221°F (105°C).  
1-Wire® is a registered trademark of Dallas Semiconductor Corporation.

*For an instant-sensing pushbutton-style belt misalignment sensor see the CSA certified CIID1 BeltTracker sensor!*

- Extremely rugged design.
- Fast reacting sensor for continuous monitoring.
- Compact size: 5.25" (133mm) x 3.25" (83mm)
- "Simple Apparatus" for Intrinsically Safe installations with an approved barrier.

- CSA certified Class II, Div. 1, Groups E, F, G
- Industry standard TC, RTD, PTC, Temperature Switch and "1-Wire" digital sensors for industry wide compatibility.
- Easy installation and low maintenance.
- Fully compatible with PLCs, DigiMax, MaxiScan 12/24 controllers and MaxiTrack remote hazard monitoring PC software.

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