

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. Armored low-voltage cables available.
- CSA certified maximum ambient temperature rating: 221°F (105°C). Minimum temp.: -40°F (-40°C).

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



Available Sensor Types:

- **Thermocouple:** Type-T is standard, other types available.
- **RTD:** Industry standard PT100, 4 conductor cable (2, 3 and 4-wire compatible). PT500 and PT1000 also available.
- **PTC Thermistor:** Legacy "HBRB" Controller compatible.
- **DigiMax™ Digital:** "1-Wire" digital for DigiMax™ systems, MaxiScan 12/24 Controllers and MaxiTrack™ PC software.
- **High Voltage Temp Switch:** 5VDC-120VAC 1A rated contacts, N/C or N/O, 105°F through 248°F setpoints available. UL Listed Cable: 20 AWG, 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, 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.

MAXI-TRONIC
INCORPORATED

417 Wards Corner Rd., Loveland, OH, 45140

513-398-2500

MT-1022-202106

800-659-8250

www.maxitronic.com

info@maxitronic.com