

## B400 ELITE

### Elevator & Conveyor Belt Alignment Monitoring System

**B4004V4CAI** – B400 Elite control unit

Supply: 12 to 24 DC

Ex II 2D T125C zone 21 & 22

**B4004V46CAI** – B400 Elite control unit

Supply: 95 to 250 VAC / 12 to 24 DC

Ex II 3D T125C zone 22

#### APPLICATION

The B400 Elite control unit detects the dangerous misalignment of belts, preventing costly downtime and helping to eliminate the risk of explosion.

The B400 Elite works with up to four sensors (TS1V4A, BS15V10AI OR BS25V10AI) situated along the side of the belt to monitor belt tracking.

#### FEATURES

- ▶ The B400 elite can monitor the alignment of a belt in one elevator, both at the top and bottom, or in two separate bucket elevators
- ▶ Alarm and shut down relays with time delay options
- ▶ Control unit LEDs indicate the running, alarm, and shutdown status of each elevator
- ▶ Easy on-site installation
- ▶ Full system test features
- ▶ Voltage free relay contacts
- ▶ IP 66, Nema 12
- ▶ ATEX, IECEx & CSA Approved

#### OPTIONS:

- ▶ RS485 serial communication

Detailed specification, wiring diagrams, and installation/operating instructions available immediately upon request.



ATEX zone 21 & 22

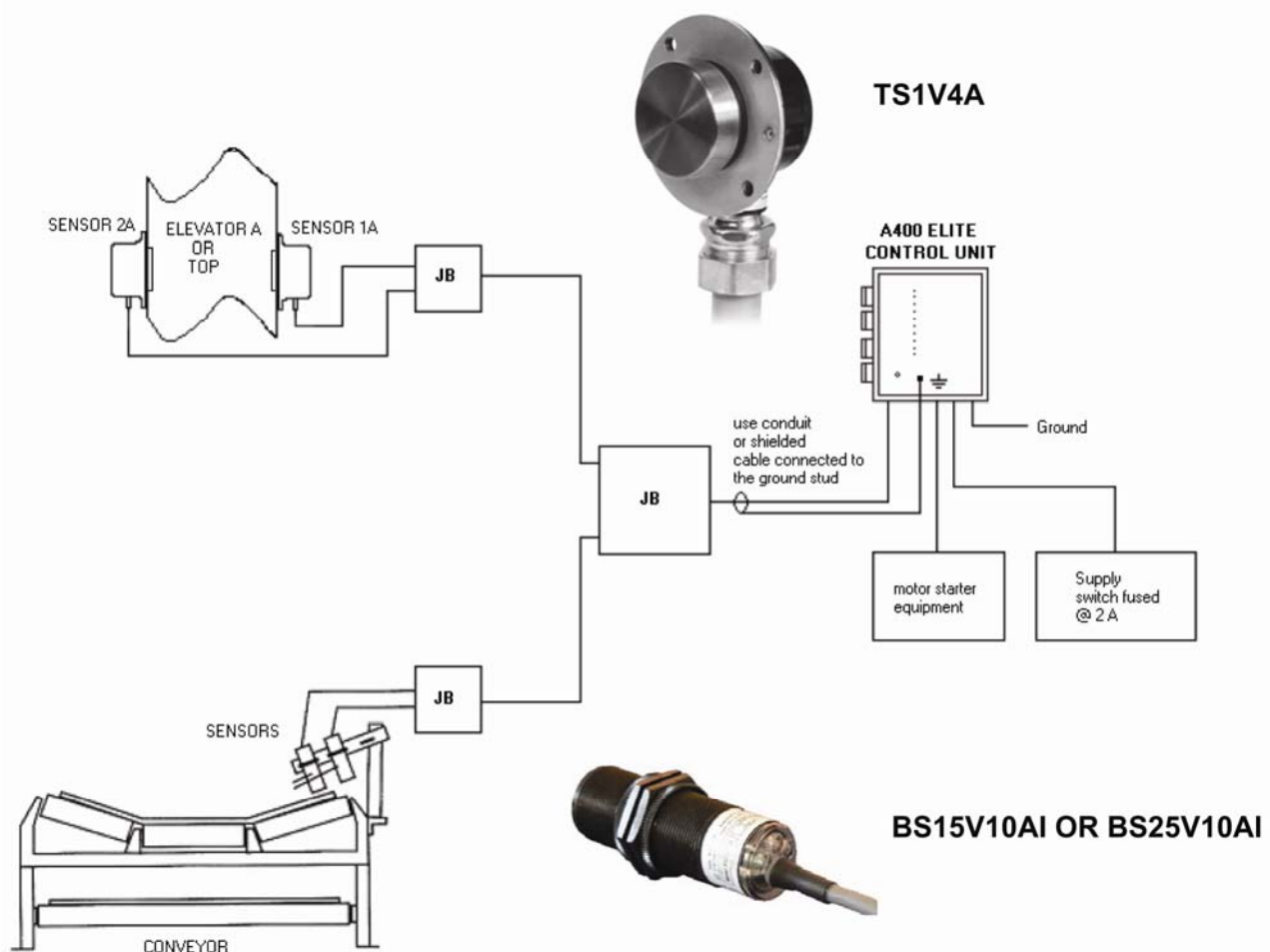


CLASS 2 Div. 1  
Groups E, F & G

Please refer to instruction manual for correct installation.  
Information subject to change or correction. May 2007.

## TECHNICAL SPECIFICATIONS

| Model                  | B4004V46CAI   | B4004V4CAI  |
|------------------------|---|---|
| Approval               | ATEX & IECEx Zone 22 Ex II 3D<br>T125C amb -15 to +50C<br>BAS03ATEX0674 & CSA | ATEX & IECEx Zone 22 Ex II 2D<br>T125C amb -15 to +50C<br>BAS03ATEX0674 & CSA |
| Enclosures             | Polycarbonate   |   |
| Supply                 | 95 to 250 VAC 12 to 24 VDC  | 12 to 24 VDC  |
| Rating                 | 10 VA   |   |
| Protection             | IP 66   |   |
| Contact relay<br>ALARM | ALARM A: 1 contact NO 8 A 250 VAC<br>ALARM B: 1 contact NO 8 A 250 VAC        |   |
| Contact relay<br>STOP  | STOP A: 1 contact NO 8 A 250 VAC<br>STOP B: 1 contact NO 8 A 250 VAC          |   |
| Dimension              | 246 x 188 x 102 mm (HxLxD)  |   |
| Entry                  | 2 holes drilled to dia. 28mm  |   |
| Fixt point             | 222 x 102mm   |   |
| Weight                 | 1.3 Kg  |   |



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