



# B400 ELITE

*TECHNOLOGY • INNOVATION • QUALITY • VALUE*

## B400 ELITE Elevator & Conveyor Belt Alignment Monitoring System

**B4004V4CAI** - B400 Elite control unit

Supply: 12 to 24 DC

Ex II 2D T125°C zone 21 & 22

**B4004V46CAI** - B400 Elite control unit

Supply: 95 to 250VAC /12 to 24 DC

Ex II 3D T125°C 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.

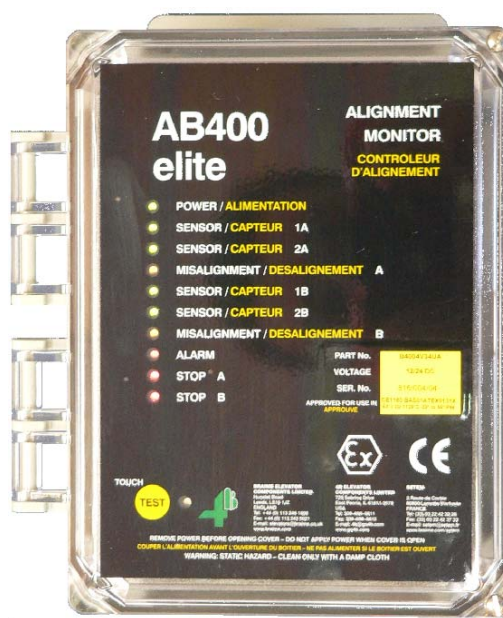
### KEY FEATURES

- ▶ The B400 elite can monitor the alignment of a belt in one elevator, both at the top and the 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 feature
- ▶ 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

## IECEx



CLASS 2 Div. 1  
Groups E, F & G



# B400 ELITE

TECHNOLOGY • INNOVATION • QUALITY • VALUE

| TECHNICAL SPECIFICATIONS |                                                                                    |                                                                                    |
|--------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Model                    | B4004V46CAI                                                                        | B4004V4CAI                                                                         |
| Approval                 | ATEX & IECEx Zone 22 Ex II 3D<br>T125°C T amb -15 to +50°C<br>BAS03ATEX0674X & CSA | ATEX & IECEx Zone 21 Ex II 2D<br>T125°C T amb -15 to +50°C<br>BAS03ATEX0674X & CSA |
| Enclosure                | 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                | HxLxD: 246 x 188 x 102 mm                                                          |                                                                                    |
| Entry                    | 2 holes drilled to dia. 28 mm                                                      |                                                                                    |
| Fixt point               | 222 x 102 mm                                                                       |                                                                                    |
| Weight                   | 1,3 Kg                                                                             |                                                                                    |

