

# NEW ALIGNMENT SENSOR FOR BUCKET ELEVATORS

## ATEX APPROVED FOR ZONE 20, 21 AND 22

- **Externally mounted non-contact alignment sensor** reading through a polycarbonate window in the elevator case.
- **Fail Safe.** Magnetic sensor, unaffected by dust or product build up, continuously monitoring the moving target with visual indication by an LED.
- Powerful sensor with 12-50mm sensing range dependant on the size of the target, easily adjusted on the sensor itself or from the optional independent control unit.
- Equally suited to elevators with steel or plastic buckets (by using bolt heads as targets). Can also suit stainless buckets ***please consult our engineers for more information.***
- Link sensors direct to PLC or,for total security,to an independent control unit ***A400 Elite ,B400 Elite*** or ***Watchdog Elite*** - ***ALL*** ATEX approved zone 21 and 22

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



BAP21V34CA-Cable entry

BAP22V34CA-Conduit entry



**ATEX Approved**  
**Ex II 1D T120 C-IP 65-ZONE 20**  
**Ex II 2D T80° C-IP 65-ZONE 21**

**NEW**  
**PRODUCT**

## SPECIFICATION

Model N°	BAP21V34CA	BAP22V34CA
	Cable entry	Conduit entry
Approval	Ex II 1D T120°C & Ex II 2D T80°C	
Supply	12-24vdc	
Supply current	40-90mA	
Outputs,NPN current sinking with pull up resistor	100mA Maxi	
Protection	IP 65	
Conduit entry	-	½"NPT
Detection range(depend the size of target )	25mm-75mm	
Cable	6 wires , 2 meters cable	
Weight	405g	428g
Detection rate	20-2000/min	
Dimensions	90mm DIA x 35mm	
Fixing centres, M6	51mm x 51mm	

### CABLE CONNECTIONS

**RED**  
**BLACK**  
**GREEN**  
**YELLOW/ORANGE**  
**BLUE**  
**WHITE**

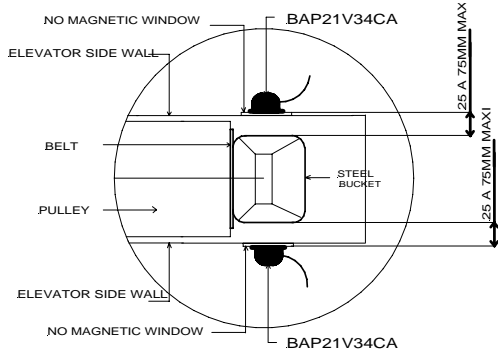
+ Ve supply 12-24 Vdc (**27VDC MAX.**)  
 - Ve supply 0V  
 Earth (Ground) Connected to case  
 Control 0-24Vdc  
 Pulsed output, normally low - high when detecting  
 Continuous output, normally high - low when detecting

### WATCHDOG ELITE



### MOUNTING

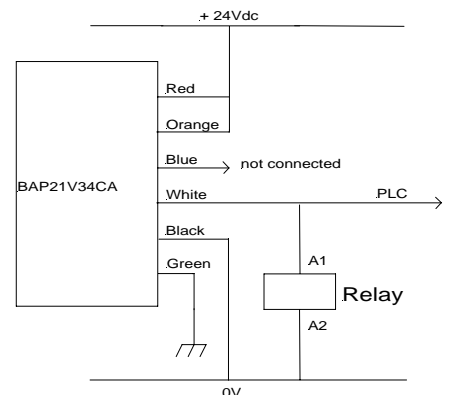
#### relay



### INTERFACE A400 OR B400 ELITE



### Connection diagram direct to PLC/computer or to



Please refer to instruction manual for correct installation. Information subject to change or correction. February 2006.