

# NEW ALIGNMENT SENSOR FOR BUCKET ELEVATORS

## ATEX APPROVED FOR ZONE 20, 21 AND 22



**WD3V34AI**

- Designed to detect steel elevator buckets, from the side or the front of elevator leg, steel bolts used to attach non-metallic buckets to the elevator belt, by sensing from the back of the belt.
- Fail Safe. Magnetic sensors unaffected by dust or product build up, continuously monitor the moving elevator, with visual indication by an LED.
- Powerful sensors with 50-100 mm range depending on the size of 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 head as target). Can also suit stainless buckets. - Please consult our engineers for more information.
- Link sensors direct to PLC or – for total security - to independent control unit, **A400 Elite**, **B400 Elite** or **Watchdog Elite** itself ATEX approved zone 21 and 22



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

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

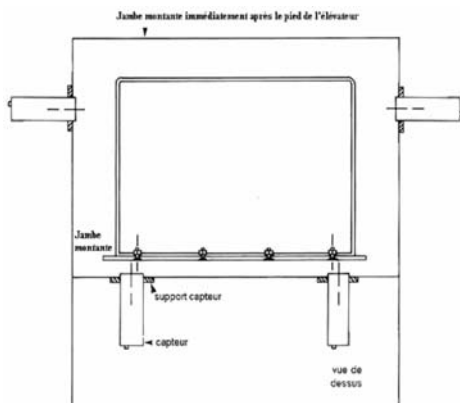
**SPECIFICATION**

Type	WDA3V34AI
Approval	Cable entry Ex II 1D T120°C
Supply	12-24vdc
Supply current	65 mA sous 24vdc
Output current	100mA Maxi
Protection	IP 66
Conduit entry	½"NPT
Detection range ( depend the size of target	50mm-100mm
Cable	6 wires , 3 meters cable
Weight	700g
Detection rate	20-2000/min
Diameters	50 mm
Lenght	150 mm

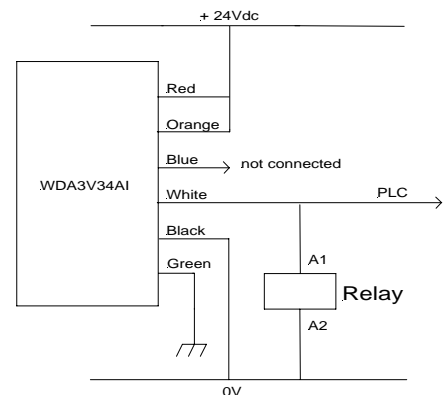
**CABLE CONNECTIONS**

**WARNING :** Supply Max: 27v dc.

<b>RED</b>	+ Ve supply 12-24 Vdc
<b>BLACK</b>	- Ve supply 0V
<b>GREEN</b>	Earth (Ground) Connected to case
<b>YELLOW/ORANGE</b>	Control 0-24Vdc
<b>BLUE</b>	Pulsed output, normally low/high when detecting
<b>WHITE</b>	Continuous output, normally high/low when detecting

**MOUNTING**

**INTERFACE A400  
OR B400 ELITE**

**WATCHDOG ELITE**

**Connection diagram directly  
to PLC/computer or to relay**


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