

## NEW - HIGH TEMPERATURE- ALIGNMENT SENSOR FOR BUCKET ELEVATORS



**SENSOR WDA HT**



**ELECTRONIC SEPARAT**

- The sensor WDA3 has been designed to be used in cement bucket, where the inside temperature can rise to 100 - 120 °C and sometimes even higher.
- Designed to detect steel elevator buckets, from the side or the front of elevator leg.
- Fail Safe. Magnetic sensors, unaffected by dust or product build up, continuously monitor the moving elevator, with a visual indication by LED.
- Powerful sensors, with a 50-100 mm range, depending 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 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 an independent control unit, **A400 Elite**, **B400 Elite** or the **Watchdog Elite** which are themselves ATEX approved for zones 21 and 22.

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

## SPECIFICATION

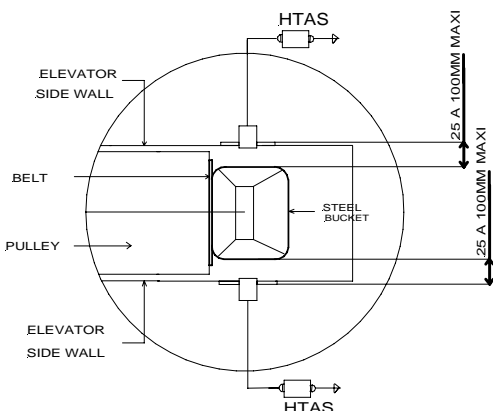
Supply	12-24vdc +/-10%
Supply current	60-130mA
Output current	100mA Maxi NPN
Protection	IP 66
Detection range ( depend the size of target)	25mm-100mm
Detection rate	20-2000p /min
Ambiante temperature for the box	-15 à +45°C
Sensor temperature	150°C continus 180°C point
Cable	3 wires 4 meters cable

### CABLE CONNECTIONS

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

- 10** + Ve supply 12-24 Vdc
- 6** - Ve supply 0V
- 5** Earth (Ground) Connected to case
- 7** Control 0-24Vdc
- 8** Pulsed output, normally low/high when detecting
- 9** Continuous output, normally high/low when detecting

### MOUNTING



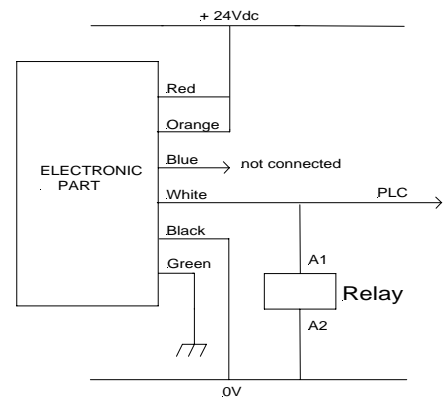
### INTERFACE A400 OR B400 ELITE



### 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.