

WATCHDOG "ELITE" MONITOR SYSTEM

The #1 bucket elevator monitor for belt speed, belt alignment, bearing temperature, plugged chute detection and head pulley alignment all in one unique package. System incorporates dual microprocessor control, using the latest PIC microprocessors and non-volatile (EEPROM) memory chips. An LCD displays elevator status messages (available in 4 different languages) and super bright LED display shows belt speed. System sensors are designed to monitor bucket elevators in tough environments. Extended range magnetic motion and alignment sensors have a user-adjustable field, allowing detection of moving elevator buckets or bucket bolts. Watchdog Elite is easily installed with menu-driven set-up. Enables use on all bucket elevators. System is FM and CSA approved for Class II, Div 1, Groups E, F, G and CE approved. The three items (control unit and two sensors) will provide the minimum components for belt speed and belt alignment (at the boot or head).



Control unit (dual voltage 110/220V) w/2 belt speed and alignment sensors	No. WDELITE
Optional additional sensors for multiple location monitoring. Belt speed/alignment sensors - to provide belt alignment at the head (2 each)	No. WDA1V3C
Bearing sensors (1 to 6 each)	No. WDB24V3C
Plug switch	No. BS1V3FC
Head pulley alignment switches (requires 2)	No. HPAS1V3F

M800 SWITCH

The most popular underspeed/slowdown switches in the industry. One bracket for all applications. Requires no engineering or fabrication. An inductive sensing device located in the nose of the M800 enclosure detects a metal target. It can be an existing bolt head or device attached to a shaft. A signal is generated by this target on each revolution of the shaft. The M800 is then set to the normal machine RPM by calibrating with the magnet provided. If the shaft speed falls to 10% or 20% below normal RPM, the M800 provides output signals via relays for control purposes such as alarm and/or shutdown. Speedswitch moves with the shaft. Shaft end float and vibration will not cause any nuisance alarms as the target and Speedswitch move together in unison. FM and CSA approved Class II, Div. 1, Group E, F, G and CE approved. The "Whirligig" is a bolt on three in one target, guard and bracket for use with the M800. The engineered bracket holds the M800. Target and guard use a single bolt to attach to the monitored shaft.



110 VAC M800 Speedswitch	No. M8001V1FC
240 VAC M800 Speedswitch	No. M8001V2FC
24 VDC M800 Speedswitch	No. M8001V4FC
Target disk (4" diameter)	No. MTG4
"Whirligig" combined target/bracket/guard	No. WG1-4B-4
Tacho display unit	No. TACH1V5

RTOSAFE LEVEL INDICATOR

Rotary style level indicator with failsafe motor rotation circuit for safe and accurate material detection. Class II, Div.1, groups E, F, and G approved for US and Canada. CE/ATEX approved units also available for Europe. Weather and corrosion proof heavy-duty nylon enclosure. Unique sensitivity adjustment and external test feature as standard and multi-voltage supply.



RotoSafe Power Pack 110/240V 24VDC	No. RTS1V0C
Standard 3-Vane Paddle	No. RLISP3
Single-Vane SS Insertable Scimitar Paddle	No. RLISP2
Top Mounting Plate	No. TMP
Extension Inner, per foot	No. RLIEXI
Extension Outer, per foot	No. RLIEXO
Shaft Coupler	No. RLISC
Side Mounting Plate (No Extension)	No. SMP

AUTOSET MK7 PROBE

The Auto-Set MK7 Point Level Monitor is a self-contained unit for high, intermediate or low-level detection of liquids or free-flowing granular solids. The Auto-Set is suitable for top or side entry in container vessels. Where top entry is required, longer rigid or flexible probes are available. Solid, state-of-the-art electronics with simple push-button calibration, power shield build-up compensator and "New" data protection switch. Customer attachable SS probes from 3" to 33" in length. CE approved.



Electronic power pack 110/240 VAC or 24 VDC	No. ATS7VOFC
SS 12" probe (other probe lengths available)	No. EX12
Mounting plate	No. SMP