



WDC3V46C

Watchdog "Elite" Hazard Monitor System

The Watchdog™ Elite will monitor belt alignment, belt speed, continuous bearing temperature, pulley alignment and plugged condition for bucket elevators and conveyors. The system incorporates microprocessor control that provides an LCD display of elevator status messages (available in 4 different languages) and super bright LED display shows belt speed. Calibration and set-up parameters are accessed via a password and front panel touch buttons. Approvals: US – Class II Div. 2, Groups F & G. Canada – Class II Div. 1, Groups E, F & G. Europe – CE, ATEX, IECEx (available). Input voltage: 120–240 VAC or 24 VDC. Actual dims: 11.75" (H) x 9.5" (W) x 5.25" (D).

Features: Monitors elevators and conveyors, user friendly menu set-up, LED belt speed indication, LCD message status, fully programmable to optimize elevator/conveyor operations, LED alarm indications and power status, relay contacts and RS485 outputs, PLC interface and optional software, alarm and shutdown features and wireless (RS485) connectivity options.

Watchdog™ Elite Control Unit 110/240V/24VDC No. **WDC3NV46C** PLC Interface Board Class II Div. 1/2 No. **WDPLCB2V4C**



P8002V10FC

P800 Proxswitch

The P800 Proxswitch is an inductive sensor designed to detect shaft speed, shaft position, gate position or object presence. The P800 is a CSA approved Class II, Div. 1, Group E, F, G. limit switch style proximity sensor, which works on the damped oscillator principle. No contact is made between the sensor and the object being monitored. The P800 will detect a ferrous object at a maximum distance of 1/2" and a non-ferrous object at 5/16".

The Whirligig® is a bolt on three-in-one universal shaft sensor mount. The P800 sensor mounts to the Whirligig® and the complete assembly bolts to the machine's shaft. The whole assembly moves with the shaft and eliminates issues with shaft vibration. Requires no engineering or fabrication.

P800 (Contact Closure Version), 12–240 VDC/24–240 VAC , Used for Shaft Position, Gate Position or Object Presence No. **P8002V10FC**
 Whirligig® Combined Target/Bracket/Guard No. **WG1-4B-4**
 Mag-Con Magnetic Connector 2" Diameter No. **MAG2000**



Touchswitch Belt and Pulley Alignment Sensor

The Touchswitch is an electro-mechanical limit switch with no moving parts that detects belt tracking and alignment problems on bucket elevators and conveyors. The sensors are usually mounted in pairs on opposite sides of the machine. The sensors can be connected directly to the Watchdog Elite.

Touchswitch, 24 VDC Standard Sensor No. **TS2V4C**



ADB20V3C/D2

ADB Series Adjustable Depth Bearing Temperature Sensors

The ADB sensor is used on any application where bearing temperature monitoring is desired or required. The ADB series sensors have been designed to allow the depth of the sensor to be adjustable depending on application. The sensors screw directly into a bearing housing through the existing grease zerk thread. Each sensor is fitted with a grease zerk to allow lubrication of the bearing without the need to remove the sensor.

NTC Standard Thermistor Sensor: 2 Inch Probe No. **ADB20V3C/D2**
 NTC Standard Thermistor Sensor: 4 Inch Probe No. **ADB20V3C**
 ADB Probe Wrench No. **ADBW**



BSE1V10C

Binswitch Elite Capacitance Point Level Switch

The Binswitch Elite Sensor detects level or plug situations for bulk granular solids or liquids in tanks, bins, or silos and can be used as a plug or choke detector in chutes, conveyors and elevator legs. The programmable sensor options operate on 12–240 VDC or 24–240 VAC. The 30mm nylon housing is corrosion and abrasion resistant, dust-tight, and waterproof. Features applications for level or plug sensing, adjustable sensitivity, magnetic calibration, IP65 Protection, CSA Class II Div. 1 Groups E, F & G approved, IP67 protection.

Binswitch Elite 5 Wire (24–240 VAC or 12–240 VDC) No. **BSE1V10C** NPT Conduit Adapter, 3/4" No. **A34NPT**
 Binswitch Elite 2 Wire (24–240 VAC/VDC – Universal Supply) No. **BSE2V10C** NPT Mount, 1 1/4" No. **BMPA**
 Mounting Plate No. **SMP** Abrasion Shield, 1 1/4" NPT Mount No. **BAS**