

**ELECTRO-SENTRY™ HAZARD MONITORING SOLUTION  
COMBINES MULTIPLE POINTS OF MONITORING INTO ONE  
EASY TO USE SYSTEM**

Minnetonka, MN—May 15, 2007—Electro-Sensors, Inc. has introduced the Electro-Sentry™ Hazard Monitoring System, which combines shaft speed, belt alignment and bearing temperature measurement all into a single solution. With simple, straightforward installation and no end-user calibration necessary, components are ready to use right out-of-the-box. Also, Electro-Sentry utilizes standard 4-20mA signals, as opposed to proprietary software or “black boxes” which can be limiting or challenging to support.



“Electro-Sentry provides a robust, cost-effective, reliable monitoring solution for elevator or conveyed material applications,” said Brad Slye, engineering manager.

Electro-Sentry is available as a complete system or as individual components. With the TT420F or TT420S for belt alignment temperature measurement, the TT420Z for bearing temperature measurement and the FB420 to offer shaft speed feedback, Electro-Sentry is an easy to use, dependable way to safeguard conveyed material operations.

The TT420F is a 2-wire loop-powered 4-20mA temperature transmitter for belt alignment temperature measurement. This component mounts onto the rear surface of any brass rub-block and requires no end-user calibration. The TT420S offers identical functionality but screws into the rear of any brass rub-block with a 1/4” — 28 tap.

The TT420Z, used for bearing temperature measurement, is a 2-wire loop-powered 4-20mA temperature transmitter than mounts into standard 1/8” or 1/4” grease fitting (Zerk) taps. This component is also ready to use and requires no end-user calibration.

The FB420 is a shaft speed feedback sensor that mounts onto the elevator tail pulley to measure shaft speed and outputs a 4-20mA signal across the RPM range of the shaft. It also has two programmable relay functions and is housed in a rugged, XP housing. The FB420 is ready to use, requiring minimal end-user calibration.

Electro-Sentry and its components are straightforward to install, ready to use, and compatible with standard PLCs, meters and data acquisition systems.

Electro-Sensors, Inc. is a leading manufacturer of machine monitoring and motor control technologies worldwide. For more information go to: [www.electro-sensors.com](http://www.electro-sensors.com) or contact: Electro-Sensors, Inc., 6111 Blue Circle Drive, Minnetonka, MN 55343; Toll-free: 1-800-328-6170; (952) 930-0100.