FOR IMMEDIATE RELEASE

October 2012

TAW Electronics

Authorized PIHER representative and distributor

4215 W Burbank Blvd.

Burbank, Ca 91505

* 818-846-3911 phone *

* 818-846-1194 fax *

www.tawelectronics.com

Piher Introduces Non-Contacting 360° Rotary Position Sensor, Featuring Fully Programmable Switch Function and High Temperature Capabilities for Harsh Environments

Piher North America has introduced the non-contacting PSC-360 programmable Hall effect magnetic sensor featuring a switch function not found in other 360º absolute position sensors.

The switching point can be programmed at any angle allowing maximum design flexibility. It can also be used as a indicator for multi-turn applications. This unique low current switch design incorporates both on and off positions that provide a secondary position verification for improved safety, especially important for mission-critical applications in harsh environments.

The PSC-360 Sensor also offers high temperature capabilities with operational performance between -40ºC to +150ºC and high accuracy over 360º at 0.5%. The bushing/panel mount style sensor features a standard ¼ inch 'D' Flat shaft, in a low profile package of only 13 mm extremely advantageous for applications with tight packaging constraints.

The technology used by Piher breaks through the traditional magnetic fluxuation and complex circuitry barriers. Piher's technology is only sensitive to the flux density coplanar with the IC surface, which eliminates those problems and optimizes accuracy for absolute position feedback from 0 to 360 degrees. The simple, low-cost package maintains a true non-contacting air gap between the rotating magnet and the fixed sensing system.

Designed with the permanent magnet as the only moving component, the PSC-360 sensor provides a mechanical life of up to 50 million cycles. Further durability is incorporated with the fully sealed magnet and the sensor's electronics (sensing system) encapsulated in molded plastic, providing a completely sealed IP67 rated sensor that is totally impervious to humidity. These features are ideally suited to harsh environmental exposure where shock, vibration, high humidity and dust are unavoidable.

Piher's technology is not only true absolute - maintaining the sensor's true position even after a power interruption, it also offers full redundancy achieved with a dual core version within the same housing. The result is a highly configurable sensor that offers an excellent solution for the severe conditions found in

industrial, food processing, agriculture and off-highway applications. Specific uses include hand throttle control and throttle position feedback, accelerator and brake pedals, wheel angle for off highway vehicles and tractors, farm implement position feedback, forklift lift and tilt control, suspension height, marine, cranes and airport ground support vehicles.

Other PSC-360 performance characteristics include linearity of ±1% absolute (0.5% upon request), selectable analog (ratiometric), PWM, or serial protocol, up to 14 bit angular resolution, 40 bit ID number, and self-diagnostics. With the PSC-360's modular architecture and Piher's custom engineered technology capabilities, Piher can modify electrical characteristics, mechanical characteristics, and connector configurations to meet customer specifications. For example, Piher can provide the same full scale output over as short an electrical angle as narrow as15 degrees. The PSC-360 is priced under $30 each in production quantities with immediate availability.

About Piher

Piher North America, a company of Meggitt PLC, is a specialty manufacturer of position sensor and control solutions for the worldwide Land Vehicle and Appliance markets. Our products are typically employed for HVAC (Climate Control), AFL (Adaptive Front Lighting), Infotainment and Seat Memory and Heating in the Automotive industry and for human Interface applications in the Consumer Electronics, Major Appliances, Power Tools and Industrial/Instrumentation markets. www.piher.net

Please contact TAW Electronics, Inc. if spec sheets or samples are needed for evaluation

- We look forward in helping support your needs with Piher -