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## **Temposonics® R-Series V with POWERLINK is now available**

CARY, N.C. (XXX XX, 2019) – MTS Sensors, a division of MTS Systems Corporation (NASDAQ: MTSC), releases the POWERLINK version of its Temposonics® R-Series V position sensors for industrial applications.

Following the successful market introduction of the R-Series V with Profinet, EtherNet/IP, and SSI outputs, the addition of the POWERLINK output broadens the range of applications which can now be supported by the new generation of magnetostrictive position sensors.

The R-Series V POWERLINK starts measurement synchronously with the master clock, which is an essential prerequisite for processes requiring simultaneous actions. The sensor is also able to read out a resolution up to 0,5 µm, which is a first for a magnetostrictive POWERLINK sensor.

POWERLINK is a software-based solution that complies with IEEE 802.3 Ethernet standard. Available in rod style (RH) and profile style (RP), the R-Series V POWERLINK sensor has several special features that make them ideal for a variety of applications. With 250 µs, the sensor achieves the same minimum cycle time as the R-Series V Profinet. In addition, the extrapolation of the new sensor enables the output of a new position value for each polling cycle, regardless of the sensor's stroke length. The sensor also supports multi-position and multi-velocity measurement with up to 30 magnets. Backward compatibility based on proven electrical connections and mechanical designs allows for seamless integration into existing applications.

This sensor provides read-out information about the sensor status, such as the total travelled path of the position magnet or the total operating hours of the sensor, via the optionally available smart assistants TempoLink or TempoGate (available Fall 2019) and transmits this information to the controller via the POWERLINK protocol. POWERLINK is an Industrial Ethernet output which is managed by the Ethernet POWERLINK Standardization Group (EPG). The R-Series V has been certified by the EPG and carries the "Ethernet POWERLINK certified product" logo.

*"Based on our long-standing experience, R-Series V is the next step in the innovative evolution of our sensors and the addition of POWERLINK to the new generation, enables us to support even more industrial systems,"* explains André Beste, Technical Marketing Manager at MTS Sensors. *"By maintaining the qualities that we are known for and at the same time pushing the boundaries of Industry 4.0, we are able to provide our customers the best and most advanced R-Series that we ever made."*

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## **ABOUT MTS SENSORS**

MTS Sensors, a division of MTS Systems Corporation (NASDAQ: MTSC), is the pioneer of Temposonics® magnetostrictive technology and a worldwide manufacturer of non-contact linear position sensors and liquid level transmitters that enable reliable feedback control for automation and safety applications. In July 2016, MTS Systems Corporation (Eden Prairie, MN, USA) acquired PCB Piezotronics, Inc. (Depew, NY, USA), vastly expanding the range of products and solutions of MTS Sensors. PCB® is a designer, manufacturer, and global supplier of accelerometers, microphones, force, torque, load, strain, and pressure sensors, as well as the pioneer of ICP® technology (Integrated Circuit Piezoelectric). In addition to enhanced product portfolio, the combination of two organizations increases research, development and production capabilities worldwide. Temposonics® and PCB® sensors are used in research/development and machinery health monitoring applications, off-highway equipment, liquid level measurement and other industries to improve product performance and reduce operational downtime.

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