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

CARY, N.C. (Nov 25, 2019) – MTS Sensors, a division of MTS Systems Corporation (NASDAQ: MTSC), releases the SSI version of its Temposonics® R-Series V position sensors for industrial applications.

Following the successful market introduction of the R-Series V with Profinet and EtherNet/IP™ outputs, the addition of the SSI broadens the range of applications (e.g. factory automation, fluid power, plastic injection, blow molding, woodworking, metalworking, or machine tools) which can now be supported by the new generation of magnetostrictive position sensors.

The key feature of SSI is the high accuracy with a very stable position signal and a minimum resolution of 0.1  $\mu\text{m}$ . This allows the sensor to offer a very precise position management for industrial applications. This is an important benefit for the user because it can guarantee the functionality and increases the efficiency of the system.

As with the Profinet and EtherNet/IP™ sensors, the latest output addition is also available in two types: rod style (RH5) and profile style (RP5) and is supported by the TempoLink and TempoGate (available in 2020) smart assistants. Both are optionally available accessories which are connected via the power connection to the sensor and which support all R-Series V sensors. The smart assistants enable to transmit detailed information about the condition of the application, such as sensor status, internal temperature, total operating hours, distance traveled by position magnets and more, all while the system is running.

This offers an enormous advantage especially for sensors with an SSI connection. Due to the fixed data structure and the uni-directional transmission of SSI, the communication with a smart device like a sensor is generally restricted. Using either the TempoLink or TempoGate smart assistant, this restriction can be circumvented as data can now be transmitted in parallel via the power connection and independently of the actual position data.

Temposonics® R-Series V SSI has the same features as the Profinet and EtherNet/IP™ sensors. They are more robust and reliable, and they support an extended operating temperature range reaching from  $-40^{\circ}$  up to  $+85^{\circ}\text{C}$ . The shock resistance has been increased to 150 g and for vibration to 30 g and in combination with the larger voltage supply range, they are ideal for harsh and rough applications as they keep providing exact measurement data. Backward compatibility based on proven electrical connections and mechanical designs allows a seamless integration into existing applications.

*“Based on our long-standing experience, R-Series V is the next step in the innovative evolution of our sensors and the addition of SSI 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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