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## News Release

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For Immediate Release:

### **Angle Sensor for Extreme Environments**

Southborough, MA ... Novotechnik U.S. introduces the RSX-7900 Series of angle sensors that provide up to IP69K ingress protection, extremely long life of >100 million movements and ISO13849 PL-d safety compliance in a non-contacting design.

The sensor is available in six standard measuring ranges with angles from 0 to 60 to 0 to 360 degrees with unrestricted rotation. Resolution is 12-bit across a 4 to 20 mA output with linearity to  $\pm 1\%$  at  $\geq 90$  degrees. Repeatability is  $0.2^\circ$  and update rate is 5 kHz.

Single and dual redundant versions are available and the life specification is valid even under high shock and vibration conditions up to 50 and 20 g respectively. The RSX-7900 Series is available with a CANopen interface.

The RSX-7900 Series sensors offer anodized aluminum housing with a stainless steel shaft for enhanced corrosion protection with salt and spray resistance. Axial and radial shaft loading is up to 300 N thanks to a double row angular contact ball bearing design. The 70 mm diameter sensor has a nominal length of only 35 mm and is available with a wide choice of shaft styles for maximum installation flexibility.

The RSX-7900 Series angle sensors operate from 9 to 34 V DC supply making them ideal for 12 and 24 volt off-highway vehicle and construction equipment applications.

For more information contact Novotechnik U.S., Inc., 155 Northboro Road, Southborough, MA 01772 • Phone: 508-485-2244 • Fax: 508-485-2430 • Web: [www.novotechnik.com/rsx79](http://www.novotechnik.com/rsx79)

### (Photo also attached.)