PRESS RELEASE 06/12

# Flexible Angle Sensors

Turck's RI angle sensors allow application-specific teach process in the field

*Mülheim, March 22, 2012* – Turck has added new functions to its range of RI inductive angle sensors. From now on, users can teach the RI sensors directly at the device. Not only is it possible to call up hard programmed angle ranges, but start and end points can also be defined for the sensors as required. Furthermore, the rotation direction can also be selected as required. The sensors were developed for use in mobile devices in accordance with the e1 specification. On the RI sensors, the angle position is not measured with a magnetic positioning element, but by means of an RLC circuit. This sensor is thus completely immune to magnetic fields, such as for example those of large motors.

The RI sensors have a measuring range of 360° with an accuracy of 0.15 percent of full scale. The separate design of sensor unit and positioning element, as well as an offset compensation of ±4 mm guarantee the easy installation and safe operation of the sensors. The positioning element can be fitted on solid or hollow shafts as required. The contactless principle reliably compensates bearing tolerances of the applications as well as vibrations caused by shaft eccentricity. This guarantees a high linearity. The sensor can also be adapted at the output to external requirements: 0…10 V, 4…20 mA, 0.5…4.5 V and SSI interfaces are available.

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**The inductive RI angle sensors allow application-specific teach process in the field**

*Text and image (300 and 72 dpi) can be downloaded from the internet at: www.turck.com/presse*

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