

Rectangular and Angle Head Designs Expand the Portfolio of Ultrasonic Sensors

Rectangular sensor variants for room monitoring, sensors for large ranges and angle head sensors for mounting in restricted space complete Turck's range of ultrasonic sensors

Mülheim, March 15, 2016 – Turck is adding new designs to its portfolio of ultrasonic sensors. The RU sensor in the M18 housing is now also available as an angle head variant. Its radiation angle is rotated by 90 degrees, which simplifies mounting in restricted and angular spaces. Angle head variants are available for ranges up to 130 cm.

The ultrasonic sensor in the CK40 housing is particularly suited for room monitoring or sag detection. Its rectangular design enables a very large opening angle of 60°. This enables the sensor to also detect objects which only scatter the reflected sound signals or reflect them very poorly. The CK40 is suitable for ranges up to 250 cm and is available with an M12 or terminal chamber connection.

Turck has developed the robust RU-600U in the M30 stainless steel housing with a 600 cm switching distance for applications requiring a very large range. In spite of its large range it comes with a very short blind zone of only 60 cm.

Turck offers the compact ultrasonic sensors in three new variants. The M18 sensor with a frequency output (LFX) provides an inexpensive alternative to the conventional analog output in applications requiring a measured value. The other compact variant is an opposed mode sensor. This sensor switches as soon as the sound signal is no longer reflected. In this variant the blind zone of the sensors is extremely small. Compact ultrasonic sensors with an NPN output have also been added to the range. American and Chinese customers use these variants in particular.

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Turck1016.jpg:
Two variants for special requirements:
Turck ultrasonic sensors in rectangular
and angle head designs

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