

## Rectangular and angle head ultrasonic sensors

Turck has added new designs to its portfolio of ultrasonic sensors. The RU sensor in the M18 housing is now also available as a right-angled head variant. Its radiation angle is rotated by 90°, 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



suites for room monitoring or sag detection. Its rectangular design enables a very large detection 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.

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## Majority shareholding in fan manufacturer acquired

International industrial fan and ventilation system company TLT-Turbo has acquired the majority shareholding in industrial fan manufacturer MechCaL, held previously by the Industrial Development Corporation of South Africa (IDC) and private investors. MechCaL's management team remains as minority shareholders with key staff affirming their ongoing commitment to the company. With a history of more than 140 years, TLT-Turbo develops and builds radial and axial flow fans and ventilation systems for thermal power plant, mine ventilation, wind tunnels and industrial applications such as steel, petrochemical and cement. Its products have had guaranteed reliable and trouble-free operation for decades even under extreme conditions. Established in 2005 to design, develop and manufacture both axial and radial flow fans, MechCaL makes use of composite materials to improve efficiency and to create a range of products for various industries.

Contact MechCaL, Tel 012 755-8307, info@mechcal.co.za ♦

## Input module for light guard applications

The new safe AS-i input module is designed for the connection of electro-sensitive protective equipment (ESPE) with electronic outputs to EN 61496-1. It



is particularly suited for the connection of safe inductive sensors such as GM705S. Pulse pick-ups for the display of muting functions can be connected via M12 sockets. The integrated outputs ensure the connection of two signal lamps. The tried-and-tested quick mounting avoids wiring faults. The AS-i flat cable can be connected from three different directions. There is one M12 connecting socket each for the transmitter, the receiver and the two signal outputs. Fail-safe sensors with a current consumption below 200 mA can be operated on AC507S without auxiliary voltage. The LEDs indicate the status of the inputs and outputs and the communication. In the event of a fault, the integrated communication monitoring switches the signal outputs off.

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## Light added to hazardous location warning signals

E2S Warning Signals has announced the addition of visual signals to the explosion proof and corrosion resistant GNEx family. Suitable for all Zone 1, 2, 21 and 22 hazardous location signalling applications, the GNEx beacons have extended temperature range with IECEx and ATEX Ex d approvals. For high ambient light or long distance signaling, the GNExB2 beacon is available in 10, 15 and 21 Joule variants producing up to 902 cd – a very high output Xenon strobe. The smaller GNExB1 is available for where a 5 J (up to 117 cd) unit meets requirements. Three flash patterns and second stage, set by users, are a standard feature with all GNEx beacons, depending on base model and power (DC or AC) supply. On-site removal and replacement of the lens filter is simple. Polycarbonate, UV stable lenses are available in amber, blue, clear, green, magenta, red and yellow as separate spare parts. Installation time is minimised by design with the GRP enclosure having a threaded flame path, multiple cable entries and a large termination area.

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