

Maintain constant control panel temperatures

Distributor Switchtec has extended its range of climate control components used to manage and control the environment within control panels.

Control panel manufacturers know too well that all electrical and electronic components generate heat, and this heat needs to be controlled to ensure efficient panel design and performance.

Switchtec has a range of panel ventilation products to ensure optimal panel performance, including fan-and-filter units available in five frame sizes from 114x114mm, 36m³/h airflow to 325x325mm 920m³/h airflow. The units are a quick snap-fit, low profile design with an ingress protection of IP54 and available in RAL7035. The fan used in the units is a quiet running sealed ball bearing



version, and the airflow direction is easily reversible, from impelling cold air to expelling hot air.

Switchtec also offers a range of axial frame fans, which are high quality and all use shielded ball bearings manufactured from die-cast aluminium casings and fibreglass reinforced impellers.

For condensation prevention, Switchtec also offers a range of anti-condensation heaters, which are DIN rail mountable, have IP20 touch-proof connection terminals, and are manufactured from anodised extruded aluminium.

To accompany the range, Switchtec is also able to offer a range of roof-mounted fans and panel mounted air conditioners for larger enclosures or for when conditions get hot.

www.switchtec.com

New wireless torque technology



Sensor Technology has launched a new range of non-contact torque sensors based on a full four-element strain gauge bridge design, complementing its existing non-contact sensors that use surface acoustic wave (SAW) detection.

Designated the TorqSense SGR510/520 series, the new units have a 250% over-range reading capacity, allowing sudden spikes in torque to be measured and recorded accurately. The design also compensates for any extraneous forces, such as bending moments, inadvertently applied to the sensor, improves sensitivity and has a wide temperature tolerance.

The bridge is essentially four strain gauges glued onto the shaft in a square formation set at 45deg to the axis of rotation. Thus, when torque is applied to the shaft, two gauges are stretched into tension, and two go into compression.

A rotor mounted ultra-miniature microcontroller, powered by an inductive coil, measures the differential values in each strain gauge and transmits them back to the stator digitally via the same coil. The SGR510/520 series transducers then use state of the art strain gauge signal conditioning techniques to provide a high bandwidth, low-cost torque measuring solution with high over-range and overload capabilities.

The measuring range of the SGR series is 1Nm to 500Nm (with models up to 13000Nm available shortly), accurate to +/- 0.1% and with a resolution to +/-0.01% of the transducer's full scale.

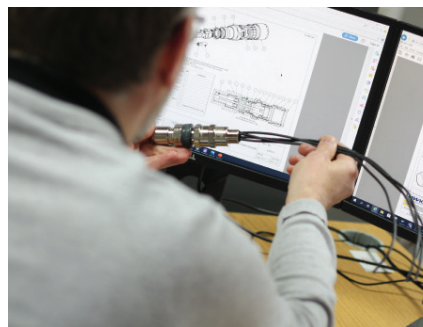
www.sensors.co.uk

New generation cable glands

Hawke International has launched the Rapid Connection Gland (RCG) range, offering rapid termination and disconnection solutions in a cost-effective package that significantly reduces ownership expenses.

The cable glands and connection solutions manufacturer has developed the range to enable quick field connections of cables to equipment in instances where historically, hard wiring methods would have been required.

The Exe/Ext certified range, rated to IP66/67, will reduce downtime and operating expenses in facilities while providing the opportunity to easily and safely swap out equipment and incorporate maintenance-



light, sealed for life fittings.

Matt Ogden, Product Manager at Hawke International, explains: "The range is the ultimate hybrid of a cable gland and connector, and it provides an array of benefits for end-users, including operators in hazardous environments."

www.hubbell.com/hawke