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Demand based automatic fan speed control from Rittal

A new fan speed control sensor for Rittal's TopTherm fan-and-filter units is now available. This handy and compact device, which is compatible with the larger models in the range of electronically commutated (EC) TopTherm fan-and-filter units, automatically adjusts the fan speed in response to changes in temperature inside the enclosure.

Providing a simple and cost effective solution to the problem of fan-and-filter units running continuously, even when not required as the panel temperature is already at an acceptable level, the sensor will help to reduce energy consumption and consequently, running costs.

With a fixed setpoint of 35 °C, the device provides continuous control with fan speeds varying linearly between 10 % at 20 °C and 100 % at 35 °C. No additional power supply is required as the sensor takes a 10 V DC feed from the fan-and-filter unit itself.

Larger TopTherm fan-and-filter units with EC motors from Rittal, accept a 0 to 10 V DC or PWM control signal and can be controlled using a programmable logic controller (PLC). A tachometer signal output to monitor fan speed and operating conditions is included, to alert users immediately should any faults or failures occur.

Rittal's simple fan-and-filter unit is an innovative product with integrated energy efficient control, performance monitoring and sensor for speed control to achieve the best results.

Rittal enclosures, the system. <http://www.rittal.co.uk>

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Rittal GmbH & Co. KG, headquartered in Herborn, Germany, is a leading global provider of solutions for industrial enclosures, power distribution, climate control and IT infrastructure, plus software and services. Systems made by Rittal are deployed in a variety of industries, including mechanical and plant engineering, IT and telecommunications.

The company's broad portfolio includes complete solutions for modular and energy-efficient data centres: from innovative security concepts for data systems to physical data and system security for IT infrastructures. Thanks to leading software vendor Eplan's interdisciplinary engineering solutions, and Kiesling Maschinentechnik's automation concepts for switchgear manufacture, Rittal covers most aspects of the value chain.

Founded in 1961, Rittal is now active worldwide with 11 production sites, 64 subsidiaries and 40 agencies. With 10,000 employees worldwide, Rittal is the largest company in the owner-operated Friedhelm Loh Group, based in Haiger, Germany. The entire group employs more than 11,000 people and generated revenues of about €2.2 billion in 2012. Further information at www.rittal.com and www.friedhelm-loh-group.com.