

## ***Press release***

Rittal Limited

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### **Demand based cooling and monitoring... from a fan-and-filter unit!**

Rittal has launched a new EC Speed Control, compatible with larger models from the TopTherm EC fan-and-filter unit range (uninstalled air throughputs between 180 m<sup>3</sup>/h and 900 m<sup>3</sup>/h).

Fan-and-filter units with electronically commutated (EC) motors for electrical enclosure cooling are already recognized for their lower energy consumption and extended service life. Furthermore, infinite speed control as well as a monitoring signal are much simpler to incorporate in an EC motor than on the AC motor equivalent.

Rittal's new EC Speed Control supports these benefits, and adds a number of others. It can be used to reduce noise output of EC fan-and-filter units, as well as lower energy consumption still further through the ability to control the speed of up to four units. Cooling demand - and hence the required fan speed - is determined by comparing the sensed temperature inside the enclosure with the set-point temperature on the device, from +5 °C to +55 °C.

The Rittal EC Speed Control is also able to closely monitor the status of the fan. The unit provides a local visual display of the operating status and incorporates an alarm relay for the remote monitoring of over-temperature, fan defect, cable break and sensor failure.

This exciting and innovative new product sees the humble fan-and-filter unit come of age, providing demand-based cooling, greater temperature stability inside the enclosure, and performance monitoring, alerting users to any problems with their cooling system.

It transforms the fan-and-filter unit into a smart solution perfectly suited to the modern technical era.

Further information at [www.rittal.com](http://www.rittal.com) and [www.friedhelm-loh-group.com](http://www.friedhelm-loh-group.com), or on twitter @rittal\_ltd.



## **Image**

Picture shows: EC Speed Control

## **Note**

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 Maschinentchnik'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.

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