



Press Release



New continuous controller by Güntner

Güntner Controls presents the Güntner Motor Management GMM sincon for AC fans

Güntner Controls is an autonomous division within the Güntner company, who has been developing, delivering and producing high-quality controllers and switch cabinets for many years now, and plays an important part for the Güntner heat exchanger systems. Already at the Chillventa 2008 the Güntner Motor Management GMM EC for EC fans was presented. This bus-compatible system offers, besides highly energy-efficient control of EC fans for condensers and drycoolers, various additional benefits, such as e.g. the possibility to control the EC fans at partial load at especially low speed.

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New continuous controller GMM sincon

The portfolio of continuous controllers is now extended by a new controller: the Güntner Motor Management GMM sincon for AC fans. This frequency converter with all-pole sine filter has also been developed especially for Güntner heat exchangers, so that the best possible efficiency can be achieved on the heat dissipation side and consequently the economic efficiency of refrigeration installations can be increased.

Motor protection and integrated Bus interface

With the new GMM sincon, the AC fans are controlled in a low noise mode and the motor is gently operated for ensuring a long service life. With the sinusoidal motor voltage, an optimal synchronisation of the motors is achieved and with the protection against voltage peaks, the service life of the motors is considerably enhanced. Commissioning time is reduced to a large extent through the quick and simple setting of the controller. For communication to master systems, different bus interfaces are optionally available. The bus interfaces, integrated as standard, allow internal communication, e.g. to the power components. Both interface types form the basis of the three main functionalities of the GMM sincon.

Three functionalities

As **System Manager** the controller monitors all operation-relevant components, ranging from the thermal contacts of the fans, power electronics to switch



cabinet components. All parameters for the power components are set automatically.

As **Process Controller** the GMM sincon adjusts the fan speed depending on pressure or temperature, controls processes and thus creates an energy-optimised heat exchanger system.

As **Information Manager** the GMM sincon has communication interfaces to master control systems and to power components. All operation-relevant information is shown on the plain text display and is available for master systems via bus system or standard interfaces.

Special functions for refrigeration engineering

The GMM sincon has special functions for refrigeration engineering applications, such as five different operating modes, external set-point definition, night setback (noise control) and a bypass function for ensuring highest possible operational safety.

Güntner Group

The Güntner Group with its headquarters in Fürstfeldbruck, Germany, is a global leader for the production of refrigeration and air conditioning components. Decades of experience in the sector and the consistent integration of innovative technologies and research results ensure the high quality of the Güntner solutions in accordance with UL, DIN EN ISO 9001, EUROVENT CERTIFY ALL, ASME B31.5, ARI, and ASHRAE. Operators include among others the international automotive, food, pharmaceutical and computer industries as well as a large number of public facilities. Founded in Germany in 1931, the Güntner Group is present for its customers and partners today with 6 production sites, as well as 40 sales offices and subsidiaries worldwide.

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