

Press Release

New electronic compact controller for greater energy efficiency

The users of unit heaters can now obtain the precise heating and cooling output they require thanks to a new 0 - 100% fan controller. This is made possible by a new electronic 0 - 100% single-phase controller that is currently patent pending. Kampmann is already using it in the new electronic compact controller for unit heaters.

Lingen (Ems), 11.08.2011 – Kampmann project partners can now benefit from a new innovation in speed controllers for fan motors with this new electronic 0 - 100% single-phase controller. Up to now fan speeds could only be adjusted in stages but Kampmann is using an invention whereby the alternating current is pulsed directly without prior rectification. Thanks to linear current draw from the mains, cables expensively shielded from electromagnetic interference can now be a thing of the past. The controller produces low-loss and low-noise speed control and is also extremely efficient in terms of energy consumption.

Sturdy housing in recirculating air unit heaters

The new electronic compact controller has already been integrated into Kampmann recirculating air unit heaters and further applications are planned. Project partners can benefit from optimised demand-led heating and cooling using the new 0 - 100% controller. Exceptionally precisely reacting fan motors consume exactly the volume of energy actually needed for optimum temperature control and the use of this efficient air handling application in industry and commerce opens up improved target markets in relation to cost-effectiveness and energy-

savings. Kampmann unit heaters are generally used in large buildings, like supermarkets or production halls and even the cast aluminium housing of the electronic compact controller has to withstand tough conditions.

0 - 100% automatic fan control

In parallel to the controller's automatic 0 - 100% operation, there is also a choice of 0 - 100% or 5-stage manual control. The operation of this compact unit is revealed to the user intuitively, as is the handling of other features, like the timer program and room temperature control with setback mode. There are optional extension modules for large groups of units.

Further information on Kampmann unit heaters: www.kampmann-uk.co.uk.

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Figure 1 (1_Kampmann_compact_controller.jpg)

Kampmann is offering its project partners a development edge with the new electronic compact controller for unit heaters.

Photo source: Kampmann GmbH