



News Release

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Trane Tracer™ ZN525 Ensures Quiet, Comfortable Indoor Environments and Optimum Energy Efficiency

-- Controller Maximizes Electronic Commutated Fan Motor Technology Performance --

Brussels, Belgium, 1 July, 2010 – As a result of increasingly rigorous energy standards, terminal units using the energy-efficient electronic commutated (EC) fan motor technology are becoming a popular component of heating, ventilating and air conditioning (HVAC) systems. The Trane Tracer™ ZN525 controller, available now, ensures optimum energy efficiency, increases comfort and eliminates operating noise when combined with EC fan motor technology.

The Tracer ZN525 was developed to meet the specific comfort needs of hotels and office buildings and is certified as a LonMark Space Comfort Controller type SCC 8501. The controller runs terminal units to adapt to the exact cooling and heating needs of individual zones or rooms in a building. As a result of cascade control based on room and discharge air temperature monitoring, this configuration avoids potential cold or hot air drafts to provide an even higher level of comfort.

The controller maximizes the energy-efficiency of an EC fan motor terminal unit through fan speed optimization and a random start function to limit power-up demand. Limiting demand of electric heaters avoids peak time tariff periods for further energy savings. Additionally, a window contact switches off the heating/cooling unit when a window is opened.

Sound levels are reduced significantly with the Tracer ZN525 intelligent fan speed and valve control, ensuring that up to 40 percent of nominal capacity is available at low fan speed. The controller also allows for fan cycling, which turns the fan off whenever zone temperature is at optimum comfort level.

“Comfort is key for hotels and offices,” said Franck Biegalko, applied integrated systems leader for Trane Europe, Middle East, India and Africa. “The Tracer ZN525 is an important component of a high performance room comfort system because it integrates seamlessly into a complete Building Management System (BMS) architecture.”

To reduce on-site commissioning time and maximize assembly quality, the Tracer ZN525 can be factory-mounted on all Trane chilled water terminal units equipped with EC fan motor technology. This includes the EC fan motor fan coil units and cassettes, chilled beams and chilled ceilings. As such, the Tracer ZN525 controls 2-pipe or 4-pipe units, with or without electric heaters, and optimizes performance with either floating or thermal valve actuators. The Tracer ZN525 is also offered as a field-installed controller.

The controller is a compact unit with an embedded 230Vac power supply. DIN-rail or screw mounting, removable terminal strips and a configuration tool ensure quick and easy installation.

The Tracer ZN525 can be part of a fully integrated Trane room comfort solution in combination with lighting and sun blind controllers Tracer EXL and Tracer EXB. The controller is also compatible with the Trane wall interfaces range ZSM10, ZSM11 and ZSM31, including the wireless ZSM31-W.

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About Trane

Trane, a business of Ingersoll Rand - the world leader in creating and sustaining safe, comfortable and energy efficient environments - improves the performance of homes and buildings around the world. Trane solutions optimize indoor environments with a broad portfolio of energy efficient heating, ventilating and air conditioning systems, building and contracting services, parts support and advanced control. For more information, visit www.trane.com.

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