



Kieback&Peter

PRESS RELEASE

New arrivals at Kieback&Peter

Energy efficient actuators with BACnet and Modbus interface

The new MD15-Bus and MD50-Bus actuators from Kieback&Peter offer functionality that is unique to the market. Equipped for the first time with two communication interfaces, the compact actuators support both BACnet MS/TP and Modbus.

As a result, they provide fine-grained energy-efficient regulation of the heating or cooling supply at all points in the building: in heating and cooling ceilings, in heating circuit distributors and on radiators. Integrated control and calculation functions ensure easy-to-configure, decentralized building automation.

Cost-effective and versatile

The actuators can be easily and flexibly integrated into the existing system via BACnet MS/TP for unprecedented savings potential and flexibility. "An optimally adapted room heating and cooling supply significantly minimizes the required energy input. And the simple line topology with only one universal input and one universal input/output reduces the cabling effort, thus saving personnel and resources. It also significantly reduces the fire load," says André Bungies, product manager at Kieback&Peter.

With numerous integrated control functions, this market innovation from the Berlin-based building automation specialist also increases flexibility in the implementation of customer projects. More than 80 data points are available via BACnet MS/TP and Modbus for systematic integration into a Building & Energy Management System (BEMS). "The new MD15-Bus and MD50-Bus actuators comply with the BACnet profile BACnet Application Specific Controllers, true all-rounders for a wide range of applications," Bungies explains.

Positioning with control signal

The actuator receives a direct positioning signal via bus. The current position can also be queried via bus or used as a positioning value for up to eight other analog actuators that have inputs and outputs. This solution is particularly suitable for rooms with several radiators.

Return flow and room temperature control

With a return temperature sensor connected, the bus actuators are perfectly suited for return temperature control of an underfloor heating system in radiator/FB heating systems. For room temperature control, the actuators determine the required control value and transmit it via BACnet-MS/TP.

Calculation of volume flow and thermal output

Using differential pressure valves and flow and return sensors, the MD15-Bus/MD50-Bus actuators calculate both volume flow and thermal power, which can either be limited or controlled.

Hydraulic balancing

The bus actuators enable hydraulic balancing in both heating and cooling mode, easily adapting to any system conditions.

Product portfolio with seven design variants

The new small bus actuators from Kieback&Peter currently include seven model versions in the product portfolio: MD15-Bus is available in six variants and MD50-Bus in one variant. All variants communicate optionally via BACnet MS/TP or Modbus and operate with a power supply of 24V AC/DC.



Image: MD15-Bus actuator

Source: Kieback&Peter

About Kieback&Peter

Kieback&Peter GmbH & Co. KG was founded in 1927 in Berlin, Germany. With over 1,400 employees and 50 locations worldwide, the family-owned company is one of the leading providers of building automation. Experts integrate building systems such as heating, ventilation, air conditioning and fire protection in one optimized system with the aid of software and hardware. The medium-sized company ensures more comfort, efficiency and security in the building by using simple, smart solutions.

Experienced professionals look after the properties of commercial and public customers throughout their entire lifecycle – on-site, remotely and with centralized services. The engineers and technicians work with great passion on tailor-made automation solutions for their customers. They take just as much care of prestigious buildings like the Berlin Reichstag as they do the school next door. Kieback&Peter's top international customers include Airbus, Daimler and Volkswagen.

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