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New EnOcean wireless room units for smart room automation

Old building standards, state-of-the-art glass architecture or rooms that remain dark for long periods – nothing stands in the way of using EnOcean wireless room operation units from SAUTER. The room operating unit, room sensor and EnOcean gateway have been redesigned with modified product features that ensure that they can be used in innovative building automation systems. The new products are available immediately.



The room climate can be easily and individually adjusted thanks to local operating units and push-button sensors. The SAUTER ecoUnit 1 product range is based on EnOcean battery-less wireless technology and is suitable for a wide range of applications in room automation. The wireless and energy-autonomous room operating units, which are part of the SAUTER modulo system family, have been given an all-round makeover. The new generation of operating unit, room sensor and EnOcean gateway boast high-quality electronics and improved product features.

Maximum flexibility – minimum life cycle costs

The ecoUnit146 room operating unit is unparalleled on the market: It is equipped with the “Smart Acknowledge” technology which allows the automation station to receive the temperature value, the setpoint offset or button actuation of the room control unit. It can also display states and other actual values or status information of the room on the ecoUnit146’s LCD display or even reset the setpoint offset.

The ecoUnit110 room sensor has a digital temperature sensor and is compatible with third-party EnOcean interfaces. Both the sensor and the operating unit have a particularly large solar panel which, combined with the built-in energy storage, meets the challenges of room automation. Thus, faultless operation is ensured in

rooms with regular periods of darkness, such as offices that are not illuminated over the weekend. Even longer periods without light can be easily bridged, and for particularly long dark phases ecoUnit146 and ecoUnit110 can also be operated with button cell batteries.

The third device in the series, the ecosCom581 EnOcean gateway, can be integrated smoothly into SAUTER's automation system. It provides all the benefits of a bidirectional communication module: It can be ideally placed in a remote location in the room via the RS-485 bus (SLC), has an updated platform with the latest micro-controller, and is updatable, making it possible to extend the new EnOcean Equipment Profile (EEP).

The product range is rounded off by the push-button unit with an ecoUnit106 solar panel, which can be used as an extension.

Use and availability

There are no obstacles to using the SAUTER EnOcean room operating units. They provide a flexible solution especially in buildings that do not provide optimum conditions for wired devices, such as refurbished old buildings or historic structures, open-plan areas, or glazed architecture.

The new generation of the ecoUnit product family is available immediately. Further information and technical specifications can be found on the respective product pages.

About SAUTER

As the leading provider of solutions for building automation technology in Green Buildings, SAUTER ensures good climate conditions and a sense of well-being in sustainable environments. SAUTER is a specialist in developing, producing and marketing products and systems for energy-efficient total solutions, and offers a comprehensive range of services to ensure the energy-optimised operation of buildings. Our products, solutions and services enable high energy efficiency throughout the entire life-cycle of a building – from planning and construction through to operation – in office and administrative buildings, research and educational facilities, hospitals, industrial buildings and laboratories, airports, leisure facilities, hotels and data centres. With over 100 years' experience and a track record of technological expertise, SAUTER is a proven system integrator that stands for continuous innovation and Swiss quality. SAUTER provides users and

operators with an overview of energy flows and consumption, and therefore of the development of the costs involved.

The SAUTER Group

- Company active worldwide with headquarters in Basel, Switzerland
- Founded in 1910, it is built on more than 100 years of tradition and experience
- With more than 2,650 employees, it is present and active globally
- Complete building management solutions from a single source.
Focus: maximum energy efficiency and sustainability
- Investment protection and operational reliability over the entire building life-cycle
- Technology leader in the building automation and system integration sector
- Member of eu.bac, BACnet Interest Group (BIG-EU), BACnet International, EnOcean Alliance
- Excellent references available at www.sauter-controls.com