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**Double the energy efficiency with the SAUTER ecos504 room controller**

*The new ecos504 room controller from SAUTER seamlessly integrates the automatic lighting and sunshade control into the room climate regulation. In modern buildings in particular, the energy consumption is therefore reduced considerably while the comfort for the room user is also increased.*

In modern buildings, most of the energy is used for cooling. To reduce consumption, the sunshading must be automated. Further significant energy savings are made possible by the occupancy-dependent control of the lighting. And demand-controlled room ventilation with CO2 sensors can make a substantial contribution to energy efficiency.

**Focussing on people**

Efforts to keep energy consumption as low as possible can often overlook the people who live and work in the rooms and buildings. This is precisely where SAUTER comes in with a balanced overall solution based on the ecos504 room controller. The goal is to provide the user with an optimum environment with minimum energy consumption. The room controller integrates not only the sunshade, lighting and room climate regulation equipment systems, but is also seamlessly integrated into the building management system and primary energy preparation by means of the open BACnet/IP communication.

**Modular and flexible**

The SAUTER ecos504 is designed as a modular room automation station with which remote   
ecoLink I/O modules can be combined as required, providing maximum flexibility when connecting field devices. The controller supports up to 8 fixed rooms or flexible room segments. Its very compact construction as a rail-mounted device with only 6 module units means that it can be installed in small distribution boards without any problems. The freely programmable room controller based on the B-BC BACnet profile with local historic data, schedules, calendars or COV fulfils the main prerequisites for real interoperability. Comprehensive libraries for the room automation functions as per VDI 3813 are available for the engineering.

Along with the tried and tested ecoUnit 3 room operating unit series, SAUTER also offers ecoUnit 1 wireless operating units with bi-directional EnOcean technology and LCD. Window contacts, switches and other EnOcean devices from third-party manufacturers can also be integrated.

**KNX interface as connector to the electrical equipment system**

The direct connection of KNX field devices to the ecos504 significantly expands the selection of room operating units, actuators and sensors that can be used. With open communication in all directions, the HVAC world and the electrical equipment systems combine to create a harmonious overall solution for the room user, the building operator and the investor.



*As a leading provider of solutions for building automation technology in Green Buildings, SAUTER provides pleasant 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 of the development of the costs involved.*

The SAUTER Group

* An international corporation with its headquarters in Basel, Switzerland
* Founded in 1910, it can rely on more than 100 years of tradition and experience
* With around 2,200 employees, it is present and active globally
* Complete building management solutions from a single source Focusing on maximum energy efficiency and sustainability
* Safeguarding investments and operational reliability throughout the life-cycle of a building
* Technology leader in the building automation and system integration sector
* Member of eu.bac, BACnet Interest Group (BIG-EU), BACnet International, EnOcean Alliance
* Impressive references at www.sauter-controls.com