29 September 2017

**Automatic sunshading with SAUTER ecos504/505 and SMI**

*The well-established SAUTER ecos504/505 room automation stations are now also equipped for digital blind control via SMI, thus fulfilling their potential as modular all-rounders for fully integrated room automation.*

Sunshading plays, especially in modern buildings, a unique role in continually optimising energy efficiency. Large window surfaces require precise blind control to ensure the optimal position of the blinds and the slat angle according to the sun’s position. The ideal amount of natural light can then enter the building. This guarantees a comfortable environment for room users and minimises the resources used for heating, ventilation and cooling. In addition, the positioning of the blinds also plays a role in the building’s exterior appearance.

**Digital two-way communication**

The Standard Motor Interface (SMI) has established itself as the manufacturer-independent interface and is used for electric actuators in window blind and sunshading equipment. With SMIs, room controllers such as SAUTER ecos504/505 not only control intelligent actuators, they can also receive feedback. The controllers monitor and process the exact blind positions, for example, as well as any information about motor faults. The SMI interfaces of the SAUTER ecos504/505 room automation stations are suitable for both 24V DC motors (LoVo SMI) and 230V actuators (SMI). With its two independent SMI interfaces, the SAUTER ecos505 model therefore operates internal blinds with one SMI module (LoVo SMI) while controlling external blinds with the other (SMI).

**Intelligent and energy-saving**

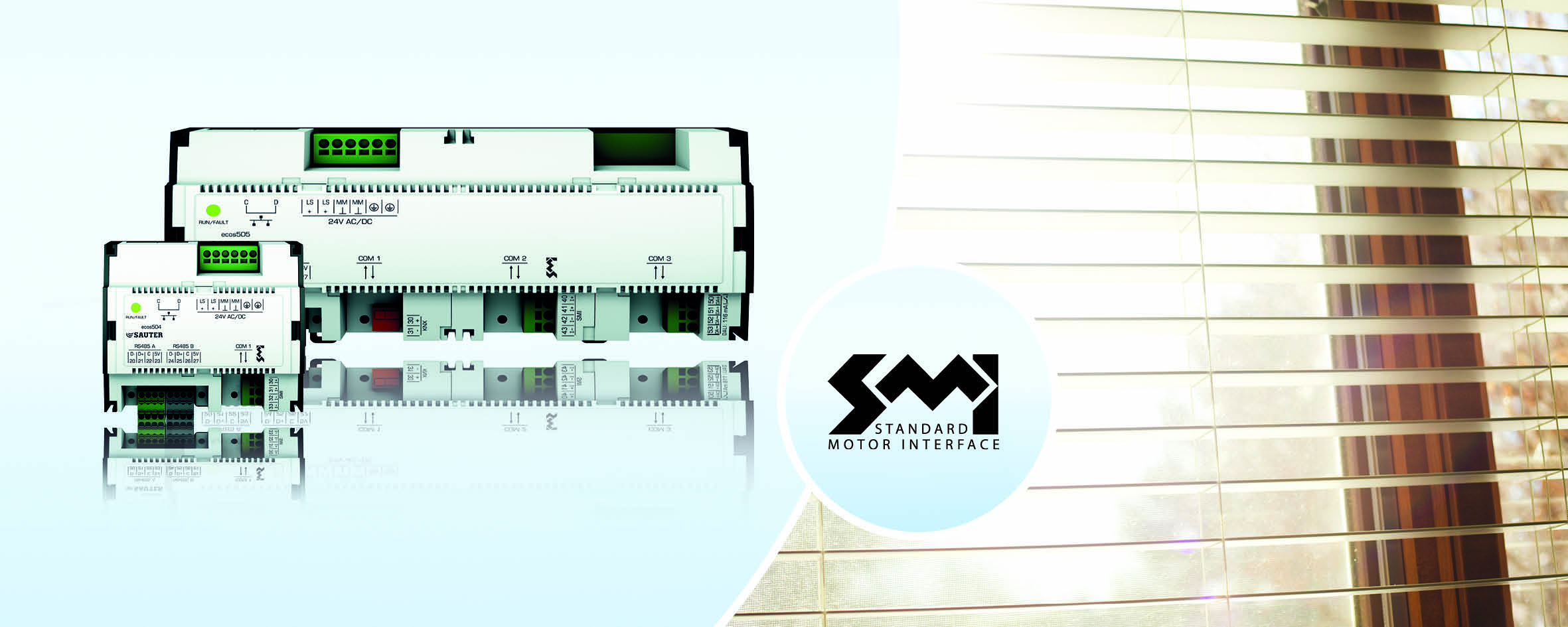
The automatic sunshading and thermal controls of the SAUTER ecos504/505 SMI adjust blind slats according to the sun’s position and the weather. This prevents room occupants from being dazzled by the sun but also keeps energy consumption by the air conditioning to a minimum. Taking calculated annual shading as the basis, the controller can adapt the positions of those slats that are in the sun. Blinds in the shadow of neighbouring buildings are, in turn, opened to their full extent.

**Easy commissioning**

The powerful SAUTER CASE Suite programming environment and function libraries for climate, lighting and sunshading allow the parameters to be set and the room automation stations to be commissioned very quickly. When commissioning the SMI actuators, the SAUTER ecos504/505 room automation stations are connected directly via a COM IP tunnel to the SMI EasyMonitor tool. Additional devices, such as SMI gateways, are not required.

**A versatile family of controllers**

SAUTER ecos504/505 are modular, freely programmable BACnet Building Controllers (B-BC). They are able to automate the room climate, lighting, sunshading and other facilities in up to eight rooms or flexible room segments. With the integrated interfaces for KNX, DALI and now also SMI, the SAUTER ecos504/505 room automation stations work hand in hand with operating devices, actuators and sensors and offer a flexible overall solution for all-round integrated room automation.

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*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 more than 2,300 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