



# Room management

Efficiency and flexibility in any environment  
with SAUTER EY-modulo.



Intelligent SAUTER room management provides individual comfort with maximum **energy efficiency** in rooms that are truly living.

**SAUTER for any room requirement.**

SAUTER is one of the leading providers of building and room automation systems with state-of-the-art technology. Our room automation stations, sensors and control units meet any individual requirement with regard to convenience, functionality, design and energy efficiency. SAUTER EY-modulo and SAUTER ecos combine complex room functions – such as the accurate control of temperature, lighting, shade and so on – in order to provide the perfect solution for your requirements in offices, hotels, hospitals and laboratories.

**Convenience and energy efficiency are guaranteed with the SAUTER EY-modulo product range.**

The intuitive operating characteristics of SAUTER ecoUnit make the equipment easy to use. Individual climatic comfort settings can be effortlessly adapted to a wide variety of requirements. For example, the combination of different operating modes – such as comfort, reduced and setback modes – and facilities such as light and shutter control provide maximum well-being and energy efficiency at the same time.

**Completely automatic or at the push of a button with SAUTER ecos.**

Programmable functions for personal climate preferences or any other requirement when you are present either automatically or at the push of a button. When you are not in the room, EY-modulo minimises the amount of energy that is used by comprehensive functions such as ventilation, lighting, heating and cooling. This minimises your operating costs or, respectively, the utility charges that are paid with your rent. As well as the active environmental protection that this provides due to reducing CO<sub>2</sub> emissions, the money that is saved means that the investment soon pays for itself.



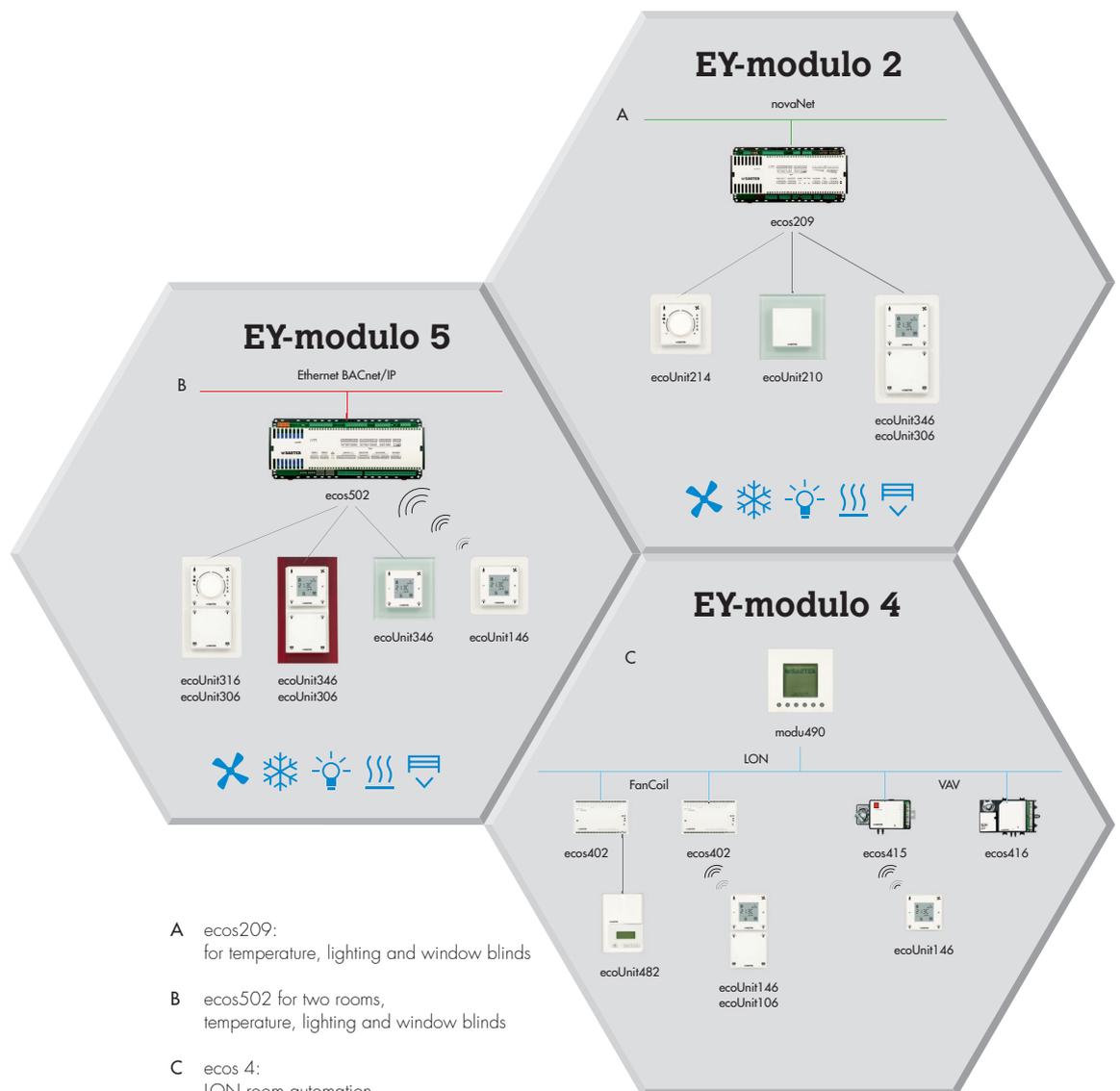
**SAUTER room automation systems have standard modules for energy-efficient operation:**

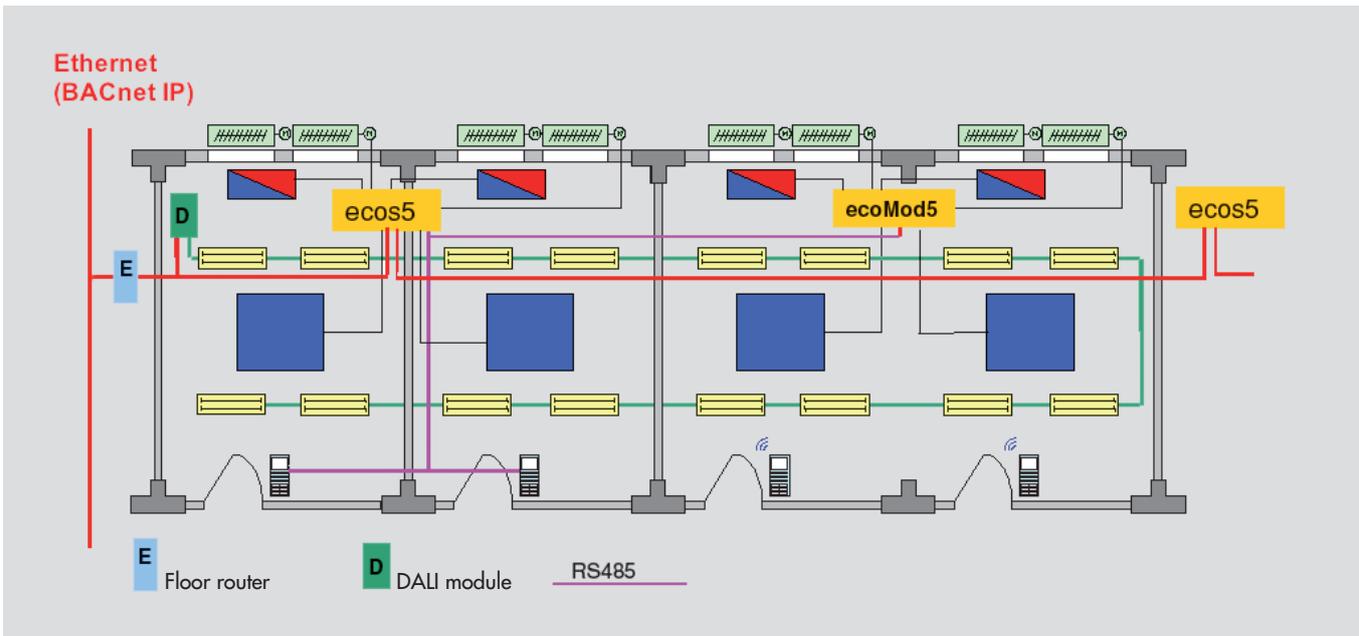
- Calendar functions for energy use according to room occupancy
- Occupancy-controlled operating modes
- Demand-led control of the fan speed
- The lights are switched on/off or are dimmed depending on the brightness of the room
- Intelligent shutter control for reducing the amount of heating caused by solar radiation
- Window monitoring
- Energy requirement notification to primary generators
- and much more...

# Room automation with SAUTER ecos and BACnet communication – ideal for new buildings, refurbishments and retrofitting.

## Consistent top technology – added efficiency without interface losses.

As a solution provider, SAUTER supplies a full range of services. From modular automation stations to intelligent unitary controllers with maximum control quality. The use of integrated SAUTER solutions reduces the number of implementation interfaces (gateways) compared to hybrid systems. As a result, fault sources and the resulting maintenance costs are minimised to a considerable extent. SAUTER room management systems are based on consistent technology that provides perfect co-ordination of field level, room automation and management level using standard protocols, providing an optimum solution for any room requirement. Ethernet standard network components provide outstanding availability, demand-based scalability and ideal interfaces for future ideas.



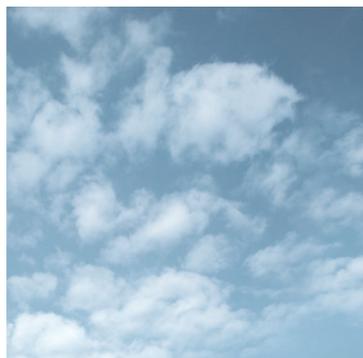


**Full system integration with the system bus of the future: BACnet.**

BACnet is the open communication protocol that is used by the SAUTER building and room automation system, providing full compatibility with all of the most popular bus systems, and providing our customers with a wide range of benefits. On the one hand, all existing systems (e.g. EY3600 with novaNet) and external systems/equipment with standard bus systems (DALI, LONWorks, Konnex etc.) can easily be retrofitted/equipped with the complex functionality of the SAUTER room automation system. On the other hand, the combination of BACnet/IP and SAUTER ecos 5 allows all subsystems – such as access control systems, room occupancy applications etc. – to be automated from a central location using existing Ethernet network lines and operated individually and conveniently using our room control units. All of the above-mentioned functions benefit from fast data transfer rates and rapid response times, from management level to room level, even if multiple room controllers are being used.



novaNet





## Flexibility and functionality – the future lies in **wireless** room automation.

### **Wireless room control units – enjoy the benefits of maximum convenience.**

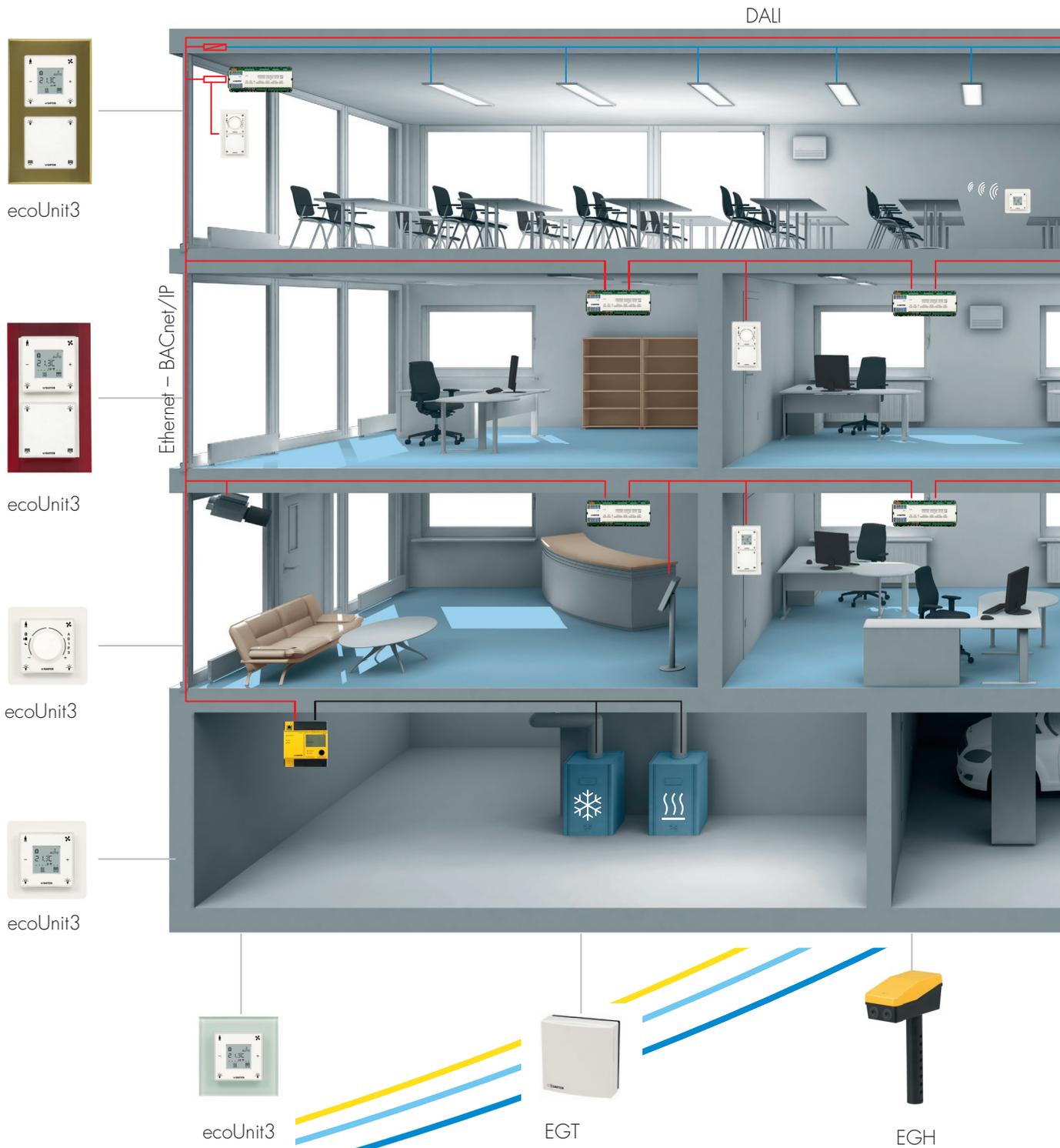
Do you like convenience? And require flexibility? At any time, and in any location inside the building? This is no problem with SAUTER's wireless room control units, regardless of whether you are varying lighting situations, controlling shading systems or adjusting your own climate at the push of a button. With SAUTER technology, you can influence many different aspects of room automation from a central location using a control unit. The settings that have been selected are shown on your display. Of course, these systems can be combined with wired systems at any time and integrated into complex building management systems.

### **Maximum flexibility with minimum investment cost – EnOcean technology uses no batteries.**

Be it the latest glass architecture, flexible open-plan offices or historical buildings, many rooms require the use of radio technology in room automation because this is the only way to make simple, flexible integration in the respective room situation possible. The equipment blends into the room design perfectly, without unsightly wiring. This also cuts down the cost of structural modifications in existing and future buildings and protects the fragile structures of historical buildings, since there is no need to install miles of cable. Flexible, precise automation of open-plan offices is also a major challenge. Here, too, wireless room automation systems provide maximum convenience. And, not least, it should also be mentioned that SAUTER is making an active contribution to protecting the environment. All radio room control units use EnOcean technology and work without batteries. In other words: no batteries to dispose of!

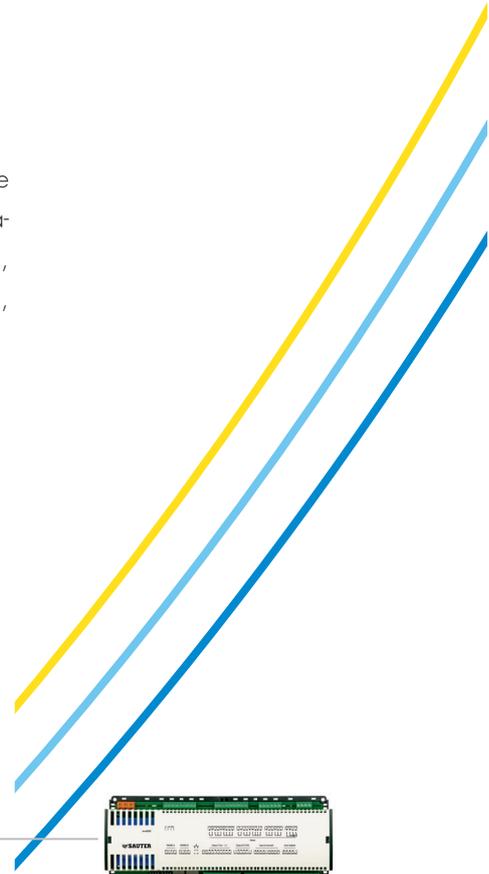


# Complete solution: from cellar to attic, from reception to conference room.



**Full range of products and services from SAUTER.**

SAUTER provides a complete solution for controlling your building from a single source. SAUTER leaves nothing to be desired, be it high-performance automation stations for handling primary energy, stations for room management, valves, actuators/drives, control units, sensors or specialist functions such as lighting, access control etc.



ecos 5



VUL

BUL



AXT2



AXM117



modu525 with modu840

- Function axis:
- Heating/cooling
  - Lighting
  - Window blinds
  - Windows

## From room automation to room accessory – **harmonious design** from SAUTER.



### **Control units, switches and frames:**

#### **stylish design and individual taste from SAUTER.**

Our extensive product range and the multitude of design variants of our room automation stations and room control units allow us to comply with any customer requirements. As well as having a modern, ergonomic design, our control units also come in different design variants, materials and colours. We also fulfil customer-specific requirements such as individual labelling and installation in light-switch frames made by other manufacturers.

#### **Individual labelling according to real needs – intuitive operation made easy.**

A clear and comprehensible user interface and clear symbolism ensure that the equipment is operated correctly. Customer-specific functions are recognisable to any user immediately due to individual marking of the equipment, and make operation intuitive and self-explanatory. Individual customer branding is also possible.

**Systems**

**Components**

**Services**

**Facility Management**

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