

Systems

Components

Services

Facility Management

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Advantages of the SAUTER ecoUnit1 room operating unit at a glance

1. No wiring needed: simple and flexible installation at low cost
2. Informative: bi-directional wireless technology provides full information on actual values, setpoints and room status in the display
3. Energy-efficient: autonomous operation using solar energy
4. Environment-friendly: battery-free operation
5. Customised: attractive yet neutral design that fits into most third-party frames available on the market; free choice of colours and labelling
6. EnOcean Dolphin STM 300 technology: tried-and-tested concept for new applications
7. Compatible: supports standardised EnOcean equipment profiles 2D-00-01 and 07-10-01, plus RPS telegrams



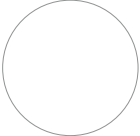
SAUTER EY-modulo 5

Bi-directional wireless communication –
so you can see what is actually happening in the room



Bi-directional wireless room operating units – so you can see what is actually happening in the room

Thanks to the latest generation of wireless room operating units, users can now see what is really going on in a room. With the new Dolphin STM 300 platform featuring innovative EnOcean wireless technology, SAUTER room operating units and controllers can now communicate with each other in two directions. This dialogue allows information to be exchanged just as conveniently as with existing wired devices. What is more, no batteries are needed.



Example of use

Wireless components:

- 1 Operating unit
- 2 Window contacts
- 3 Four-channel lighting switch
- 4 Motion detector
- 5 Operating unit with six-position lighting switch

Wired components:

- 6 Actuator
- 7 Wireless interface
- 8 Room automation station (for two rooms)



SAUTER ecoUnit1 – intelligent and flexible room automation requiring no maintenance

Wireless technology ensures easy and flexible installation at low cost

Thanks to the benefits of wireless technology, ecoUnit1 is simple to install and costs are kept low. Because this device operates without cables, there is no need to break through walls and re-plaster them. Noise and dust emissions are eliminated, and there are no unpleasant surprises when walls have to be opened up.

The remote wireless gateway offers maximum flexibility when positioning the transmitter and the receiver. This is a key benefit when room usage is changed or when buildings are being refurbished or re-equipped. These innovative room operating units can be affixed using either screws or adhesives, so they are equally straightforward to install either in modern glass or concrete structures or in historic buildings.

A device with energy autonomy and no maintenance, tailored to customers' requirements

The energy-harvesting principle is the basis for the entire operation of the device, which is powered by a miniature solar cell. This eliminates the need for batteries, so the ecoUnit1 is easy to maintain as well as being environment-friendly. Emissions from copper and plastic waste are reduced, and the same is true of maintenance and servicing costs.

ecoUnit1 offers technological excellence and maximum flexibility for installation combined with superb ease of handling. The device's attractive but neutral design means that it fits into most of the third-party frames available on the market. The colour and labelling can be adapted to each customer's individual wishes. The operating unit uses easily understood symbols on its display to indicate the following room information:

- Actual value/setpoint
- Humidity
- Luminous intensity
- Air quality
- Operating modes
- Fan speed
- Heating/cooling
- Warnings (e.g. window open)

The maximum configuration with one switching unit offers even more function keys and an additional solar cell for increased power.

