

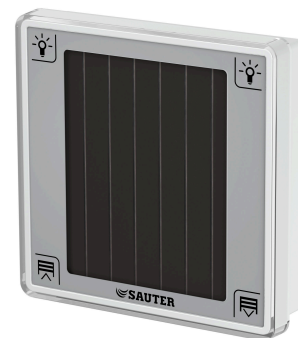
EY-SU 106: Push-button unit for room operating unit with radio technology, ecoUnit106

Improving energy efficiency

Control lights and window blinds for energy optimisation in the room

Features

- Part of the SAUTER EY-modulo 5 system family
- Push-button unit to supplement the ecoUnit110 or ecoUnit141...146
- Device insert with transparent front, fits into frame with 55 x 55 mm aperture
- Frame can be ordered as an accessory
- Integrated solar cell for additional power supply for ecoUnit 1
- Control window blinds and lighting (ON/OFF, dim)
- Six button functions
- Many different design and colour variations



EY-SU106F100

Technical data

Power supply		
	Power supply	From ecoUnit 1
Ambient conditions		
	Operating temperature	0...45 °C
	Storage and transport temperature	-25...70 °C
	Admissible ambient humidity	10...85% rh, no condensation
Parameters		
Connection	Line	4-wire
	Length ¹⁾	≤ 1 m (for ecoUnit 1)
Construction		
	Fitting	Recessed/surface-mounted (see list of accessories)
	Dimensions W x H x D	59.5 × 59.5 × 25 mm
	Weight	0.1 kg
Standards and directives		
	Type of protection	IP 30 (EN 60529)
	Protection class	III (EN 60730-1)
	Environment class	3K3 (IEC 60721)
CE conformity according to	EMC directive 2004/108/EC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4

Overview of types

Type	Properties
EY-SU106F100	Push-button unit with 6 button functions, integrated solar cell

Accessories

Type	Description
0940240***	For frames, mounting plates and adaptors for third-party frames: see product data sheet PDS 94.055
0949241301	Transparent cover (10 pcs.)
0949360002	4-pin plug-in connector for connecting ecos room operating unit (10 pcs.)

Description of operation

Button operation on the EY-SU 106 is transmitted by the connected room operating unit by means of EnOcean wireless telegram. A transmission command is executed both when the button is pressed and when it is released.

¹⁾ See connection diagram



Intended use

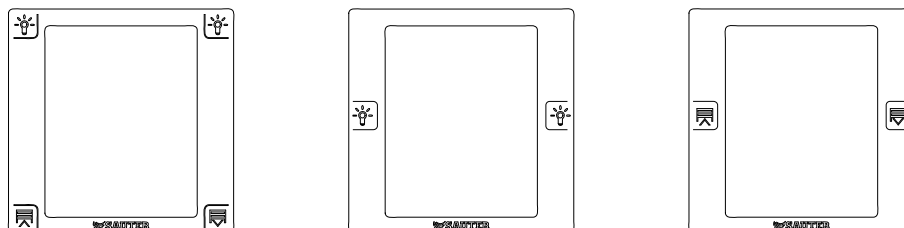
This product is only suitable for the purpose intended by the manufacturer, as described in the "Description of operation" section.

All related product documents must also be adhered to. Changing or converting the product is not admissible.

Front view and labelling inserts

The following labelling inserts are included in the scope of delivery:

Labelling inserts



Engineering notes

Fitting

The ecoUnit 1 room operating units with EY-SU 106 push-button unit are suitable for various fitting methods. Product data sheet PDS 94.055 shows the mounting options and the accessory material required.

The push-button unit is connected to an EY-RU 110...146 with a 4-core connection and can only be used in conjunction with this device. The distance between the EY-SU 106 push-button unit and the room operating unit can be up to 1 m (total line length).



Note:

If the ecoUnit 1 room operating unit is operated using the battery, the connections for the solar cell (terminal 04, 05) are not wired.

Areas of use

Push-button unit with an integrated solar cell in conjunction with ecoUnit110 and ecoUnit141...146 to control lights, window blinds, etc. using communicative ecos 5 unitary controllers.

Addressing

EY-SU 106 is always connected to ecoUnit110 or ecoUnit141...146 and can only be used in conjunction with this device. Device addressing is therefore not required.

Use with ecos 5

Using the firmware module ROOM_UNIT, the buttons are provided for further processing in ecos 5. For more information, see product data sheet PDS 94.011.

Energy supply and selecting the fitting location

The push-button unit itself does not require any energy.

The solar panel is large enough to supply additional energy to room operating units ecoUnit110...146 when light conditions are poor. Therefore, the minimum illuminance or minimum illumination time for the ecoUnit110...146 can be halved.

The push-button unit should ideally be installed so that the solar panel faces the window. Installation in room niches that are not sufficiently illuminated throughout the day should be avoided. The fitting location should also be selected based on the future use of the room, ensuring that no shadowing is caused by users, e.g. by office materials on storage surfaces or movable furnishings.

Rooms with insufficient daylight

The ecoUnit110...146 can be operated using a battery as the power supply in rooms with insufficient daylight. The EY-SU 106 push-button unit is then also supplied with power from the battery.

Additional information

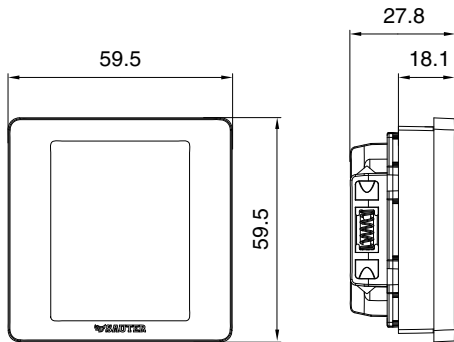
Fitting instructions

P100002472

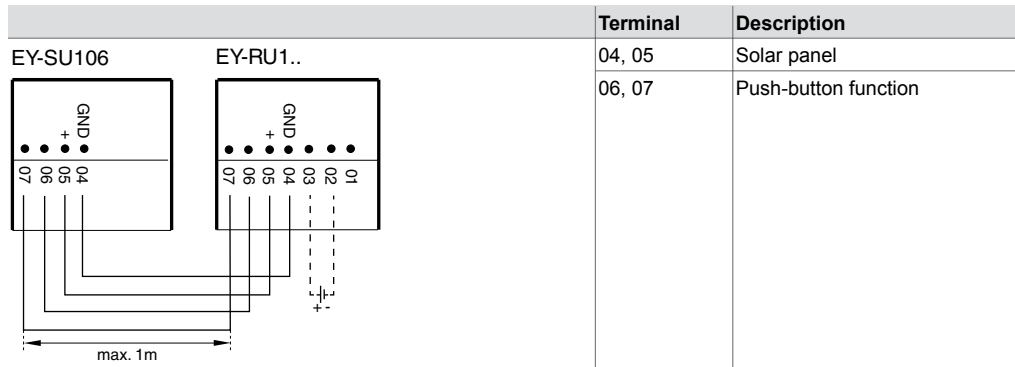
Disposal

When disposing of the product, observe the currently applicable local laws.
 More information on materials can be found in the Declaration on materials and the environment for this product.

Dimension drawing



Connection diagram



Wiring diagram (continued)

