

EY-SU 306: Push-button unit for room operating unit, ecoUnit306

How energy efficiency is improved

Control of 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 ecoUnit310...346 or ecoUnit216...246
- Many different design and colour variations
- Device insert with transparent front, fits into frame with 55 x 55 mm aperture
- Frame can be ordered as an accessory
- Control of window blinds and lighting (ON/OFF/dim)
- Six button functions



EY-SU306F001

Technical data

Power supply		
	Power supply	from ecoUnit 3 or ecoUnit 2
Ambient conditions		
	Operating temperature	0...45 °C
	Storage and transport temperature	-25...70 °C
	Admissible ambient humidity	10...85% rh, no condensation
Parameters		
Functionality	Position LED	green
Connection	Line	2-wire
	Length	≤ 30 m (ecoUnit 2 or ecoUnit 3)
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	IP30 (EN 60529)
	Protection class	III (EN 60730-1)
	Environment class	3K3 (IEC 60721)
CE conformity according to	EMC Directive 2014/30/EU	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4

Overview of types

Type	Features
EY-SU306F001	Push-button unit with 6 button functions

Accessories

Type	Description
0940240***	Frames, mounting plates and adaptors for third-party frames: see product data sheet PDS 94.056
0949241301	Transparent cover for EY-RU 310 (10 pcs.)

Description of operation

The ecoUnit push-button unit is an expansion module for the ecoUnit310...346 room operating units in ecoUnit 3 series as well as for ecoUnit216...246 from the ecoUnit 2 series.

The ecoUnit 3 devices are used with room controllers from the ecos 5 system family and the ecoUnit 2 devices are used with room controllers from the ecos 2 system family. The ecoUnit306 push-button unit provides up to 6 button functions. The corresponding room operating unit analyses the button operation.



Intended use

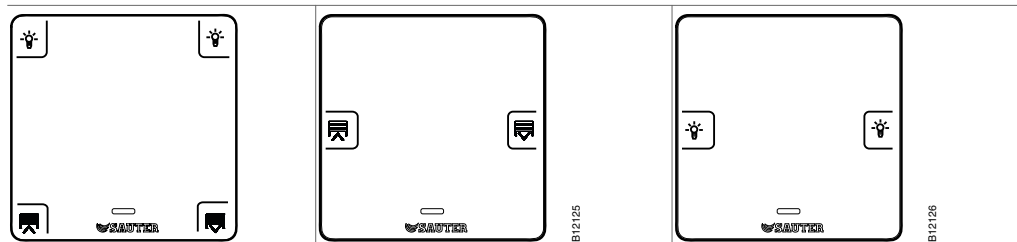
This product is only suitable for the purpose intended by the manufacturer, as described in the "Description of operation" section.

All related product regulations 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 room operating units EY-RU 216...246/EY-RU 310...346 with EY-SU 306 are suitable for various fitting methods.

EY-SU 306 is connected to EY-RU 310...346 or EY-RU 216...246 with a 2-core connection and can only be used in conjunction with this device.

EY-SU 306 can also be installed up to 30 m (total line length) away from the ecoUnit 2 or ecoUnit 3.

Note:



The mounting plate is screwed onto a recessed junction box. The device insert is placed on the frame and connected to the mounting plate by being pressed in.

Details on the recessed junction boxes can be found in the fitting instructions of the above-mentioned frame (accessories 0940240101 and 0940240201).

Addressing

EY-SU 306 is always connected to EY-RU 216 or EY-RU 310...346 and can only be used in conjunction with this device. Separate device addressing is therefore not required.

Use with EY-module 2

The buttons are provided as an analogue signal on the MFA 08 for further processing in ecos 2. The two centre buttons are also placed on MFA 58/MFA 59.

Details can be found in the data sheets (PDS) for ecoUnit216 and ecoUnit241...246.

Use with EY-modulo 5

The firmware module ROOM_UNIT is used to prepare the buttons for further processing in ecos 5.

Details can be found in the data sheets (PDS) for ecoUnit 3.

Application

Using multiple switch units

Up to two EY-SU 306 can be connected in parallel. Only one button is ever analysed at a time. If buttons are pressed on different EY-SU 306 at the same time, the assessment "no button pressed" is set in ecoUnit 2 or ecoUnit 3.

Position LED

EY-RU 306 allows skylights to be connected. Depending on the project, it may be necessary that the light switch is easy to find, even when it is dark in the room.

Reversing the polarity of terminals 6 and 7 allows the LED to be switched off permanently.

Additional information

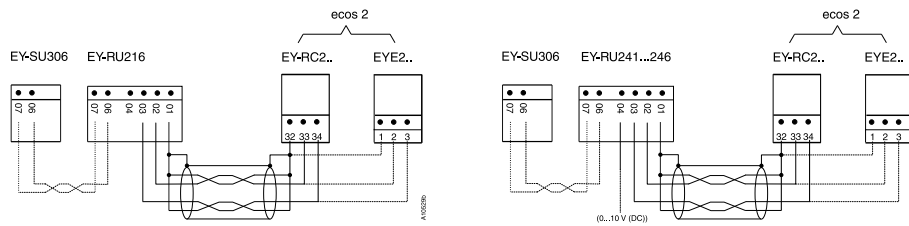
Fitting instructions	MV P100001963
Declaration on materials and the environment	MD 94.035

Disposal

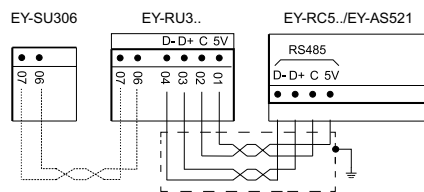
When disposing of the product, observe the currently applicable local laws.
 More information on materials can be found in the Declaration on materials and the environment for this product.

Connection diagram

Connection with ecos 2



Connection with ecos 5



If it is mandatory to comply with the European standard (EN 61000-6-2), the connecting cables must be < 30 m. The devices' resistance to interference is increased by using twisted connecting cables.

Dimension drawing

