EY-OP 240: Local operating unit, modu240

EY-OP240F001

Features

- Part of the SAUTER EY-modulo 2 system family
- Local operating and indication unit for direct local and manual operation of automation stations
- Menu-guided user interface to visualise the data points of an AS
- Display of measured values, alarms and status reports
- Input of setpoints, parameters and digital positioning commands
- Operated using six membrane keys
- Edit time programmes
- Display: 8 lines of 21 characters each
- Multilingual character set direct from AS
- RJ-45 interface for point-to-point connection with AS
- Can be installed remotely in front of panel

Technical data

Power supply		
	Power supply	From AS
	Power consumption	100 mA
	Power loss	1.5 W

Parameters		
1 × RJ-45 socket	Range	≤ 20 m, shielded

Ambient conditions		
	Operating temperature	0...45 °C
	Storage and transport temperature	−25...65 °C
	Admissible ambient humidity	10...85% rh, no condensation

Indicators, display, operation		
	Resolution	128 × 64 pixels (LCD)
	Languages	German, French, English, Italian, Dutch, Spanish, Swedish, Norwegian, Danish, Portuguese, Finnish, Polish, Slovenian, Hungarian, Russian, Czech, Turkish, Slovakian

Construction		
	Dimensions W x H x D	80 × 144 × 36 mm
	Weight	0.3 kg

Standards and directives		
	Type of protection	IP 40/20 (EN 60529)
	Protection class	III (EN 60730-1)
	Environment class	IEC 60721 3K3
CE conformity as per	EMC directive 2004/108/EC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-4, EN 55022 Class A

Overview of types

Type	Properties
EY-OP240F001	Local operating unit, modu240

Accessories

Connecting cables

Type	Description
0367842001	Automation station to modu240: 0.35 m
0367842002	Automation station to modu240: 1.5 m
0367842003	Automation station to modu240: 2.9 m
0367842004	Automation station to modu240: 6.0 m

Fitting

Type	Description
0367829001	Bracket for front fitting for modu240
0367878001	Holder for wall or top-hat rail
0367880001	Desktop stand

Additional information

Fitting instructions	P100002331
Declaration on materials and the environment	MD 93.075

Description of operation

The modu240 local operating unit is used for the display, navigation and operation of the EY-modulo 2 automation station and their plants on site.

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.

Engineering notes

The modu240 control panel is used to directly display values and statuses, to output switching and positioning commands and to enter setpoints and change or adjust time programmes and calendar functions in combination with an EY-modulo2 AS.
Parameters for date/time, language selection and version information are also available.
The device can be connected directly to an AS via an RJ-45 plug (with a shielded and twisted cable).
The mounting options are locally in the front of a control cabinet, with accessory components on a DIN top-hat rail, for wall mounting or mounting directly on a tabletop. The max. admissible distance between the control panel and the AS is 20m.
The device itself does not require any parameterisation and can therefore be used for a wide range of ASs when operated as a "mobile device".
The modu240 control panel gets all the information, such as description texts, dimension data, etc. from the data point parameters stored in the automation station.

Note:
If information is required directly from multiple ASs, the data points are sent as software addresses via novaNet data transfer (common) to the AS with the connected modu240.

The contrast setting for the LCD is located on the back of the device. By turning the potentiometer with a screwdriver, you can achieve an optimal LCD.
The background lighting of the LCD switches on automatically when the device is switched on or operated and switches off automatically when it is not used for approx. 10 minutes.

Display of the menu items

```
MENU    1        → Folgeseiten
→ Passwort
→ Adressreset
→ Alarme/Störungen
→ Status  +  Binäre  RM
→ Messwerte
→ Zählwerte
→ Schaltbefehle  mit  RM

MENU    2        → Folgeseiten
→ Sollwerte/Stellwerte
→ Alle  MFA
→ Zeitschaltprogramm
→ Uhr  stellen
→ Jahrestabelle
→ Sommer-/Winterzeit
→

MENU    3        → Folgeseiten
→ Parameterservice
→ Gr.Nr./Character-Set
→
↑ Deutsch
→ Version
→
→
→
```

T11110

You will find a detailed description for operating all the address data points in operating manual 7 000848 001.

The communication wiring must be carried out correctly and in accordance with standards EN 50174-1, -2 and -3. Communication wires must be kept separate from other live wires.

Special standards such as IEC/EN 61508, IEC/EN 61511, IEC/EN 61131 1 and -2 were not taken into account. Local requirements regarding installation, usage, access, access rights, accident prevention, safety, dismantling and disposal must be taken into account. Furthermore, the installation standards EN 50178, 50310, 50110, 50274, 61140 and similar must be observed.

The following conditions must be fulfilled:

cross-section of the wire: Min. 0.8 mm², max. 2.5 mm² copper wire taking standards and national installation requirements into account.

This is class A equipment. It may cause wireless interference in residential premises; in this case, the operator may be requested to implement appropriate measures.
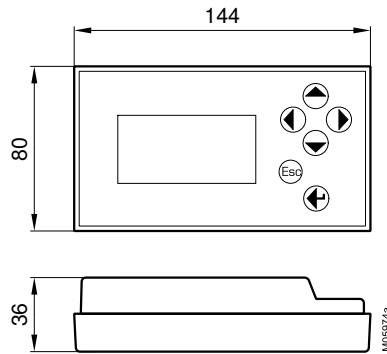
For further information, see the fitting instructions.

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

144

80

36

M05974a

Accessories

Desktop stand	Panel mounting of fixing bracket

367880

73

68

138

154,5

113

M05976a

32

74

140

65

2.5

60

M09445

Fr. Sauter AG
Im Surinam 55
CH-4016 Basel
Tel. +41 61 - 695 55 55
www.sauter-controls.com

2.1 **SAUTER** **Right of amendment reserved © 2015 Fr. Sauter AG**