EY-OP850F910: Touch-panel

Features

- Compatible with SAUTER EY-modulo 3 and SAUTER EY-modulo 5 system family
- Graphic, pressure-sensitive operating and display unit for network-wide operation
- Alarm lists, data point lists, time switching programmes, calendars and trend data
- Change specified setpoints, positioning values and digital positioning commands
- Edit time switching programmes and calendars
- Freely-programmable graphic plant presentations with dynamic data points
- Access rights with users and group created individually
- Can be parameterised via Sauter Mobile Studio (languages, datapoints, graphics, protocol bridge)
- Ethernet Port for parameterisation, updating and communicating with Ethernet Protocol (BACnet-IP, Modbus-IP, KNX-IP)
- 9pin RS-232/RS485/RS-422 interface for serial protocol (Modbus-RTU, BACnet MS/TP)
- Web Server for remote connection over Intranet and Internet

Technical data

Power supply		
	Power supply voltage	24 Vdc (18 to 32 Vdc)
	Current consumption	0.38 A max at 24 Vdc
Enviromental Conditions		
	Operating temperature	0...+50 °C
	Storage and transport temperature	–20...+70 °C
	Operating and storage humidity	5...85% rh, no condensation
Indicators, display, operation		
	Display Type	TFT
	Resolution	1024 × 600 (WVGA)
	Active display area	10’’ diagonal
	Touch	Resistive
	Colors	64K
	RAM Memory	512 MB
	Flash Memory	4 GB
	CPU	ARM Cortex A8 1GHz
Interfaces and communication		
	Ethernet	1× 10/100 Mbit
	Serial	1× R-S232/RS-485/RS-422 sw config
	USB	1x Host (V2.0, max 500 mA)
	Buzzer	Yes
Dimensions and Weight		
	Faceplate LxH	282×197 mm (11.10x7.75”)
	Cutout AxB	271x186 mm (10.66x7.32”)
	Depth D+T	29+5 mm (1.14+0.19”)
	Weight	Approx 1 Kg
Standards and directives		
	Type of protection	Front IP66, Rear IP20
	Protection class	I (EN 60950-1)
	Environment class	3K3 (IEC 60721)
	Approval CE	EN 61000-6-4, EN 61000-6-2
		EN 61000-6-3, EN 61000-6-1,
	Approval UL	Pending

Accessories

Software

Type	Description
SauterMobileStudio	Configuration Tool for points definition and Graphics dynamization
Installing and Commissioning	User manual for installation and Commissiong of the Touch Panel, English

Connecting cables

Type	Description
CavoUniversale	9 pin to RS-485 for Modbus and BACnet MS/TP connection
MDR-20-24	Power Supply Unit

Additional information

Installation Instruction (ENG, D, F, S, IT)	MV_EY-OP850F9xx

Description of operation

The EY-OP850F touch-panel is used for the graphical display, navigation and operation of the Modulo5 automation station (AS) family, modbus device, KNX-IP device, BACnet IP and MS/TP Device and its plants on site.

Intended use

The EY-OP850 Series products combine state-of-the-art features and top performance with an outstanding design. They have been designed to offer an outstanding price performance ratio for challenging applications. They are the ideal choice for HMI applications including factory, building automation and residential installation.
EY-OP850 features a bright 10” TFT widescreen (16:9) display with a fully dimmable LED backlight.

Engineering notes

Fitting and power supply

The touch-panel is mounted on the front of a control cabinet, or with the appropriate accessories directly in the wall.
The power supply with 24 Vdc connected via a pluggable connection terminal with an earth conductor. Connection may only be performed when the system is disconnected from the electrical supply.
When commissioning the device, you must remove the protective film on the front, otherwise the readability of the display and the touch function may be negatively affected.
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.

Benefit

Multiple protocols contemporary working on Ethernet port (Bacnet-IP, Modbus-IP & KNX-IP);
Possibility to provide modulo 5 Automation Stations information in Modbus Protocol (RTU & IP);

Email message in case of Alarm or predefined situation;

Exportable Trend Data and Report creation with possibility to schedule the creation;

USB and FTP to export Trend, Audit Trail and Alarm Historical Data o r Report;

User and Group Management for limit the access on the panel;

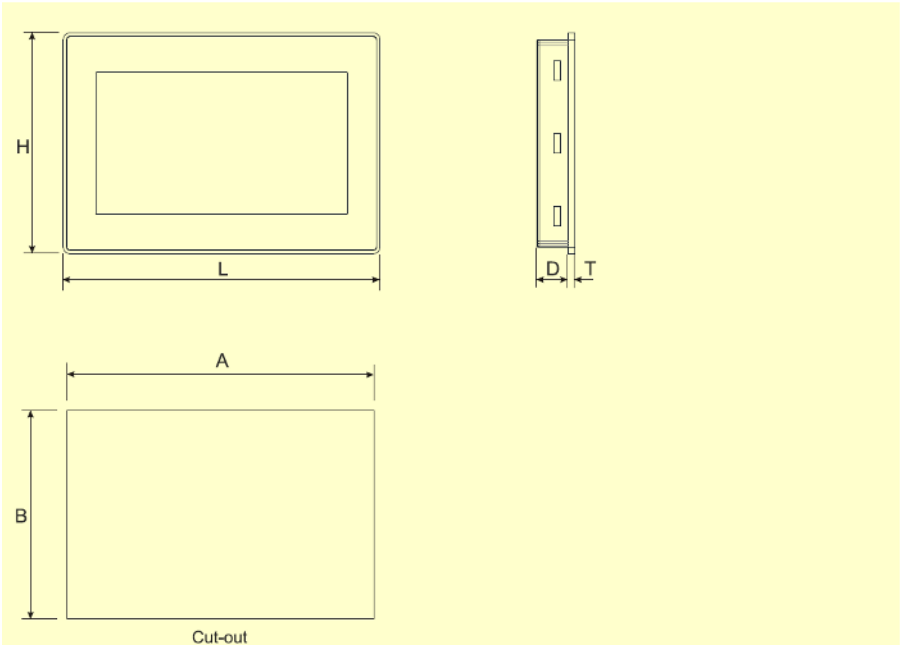
Operation

Operation is entirely by touching the display directly, whereby the configuration (data points) of the attached devices are configured using the Sauter Mobile Studio Application provided with the Panel.

Connections for parameterisation

The RJ-45 connection (Ethernet) is used for application downloads and firmware updates.

Dimension drawing



Connection diagram