

Front-end displays FED 40 ... FED 90

Text panels

FESTO



The FED human/machine interfaces serve to further simplify control automation tasks at field level – new standards in functionality and integration.

NEW: The versions FED 40 and FED 60 supplement the proven FED 50 and FED 90 for simple dialogue by means of 4-line text displays and control panel, whether serial, via fieldbus or Ethernet – the text panels of the FED series are perfectly compatible with the controllers.

Multifunctional in use

Whether single-axis actuation or multi-axis controllers in a handling system or process automation, the front-end display is the optimal solution. A semi-graphical representation of process values makes reading off easier. Simplest planning of human/machine dialogues, thanks to the Festo designer programming tool.



FED 60: with keypad

FED 90: easy input

FEC modular: the fieldbus master

805.1.PSI →

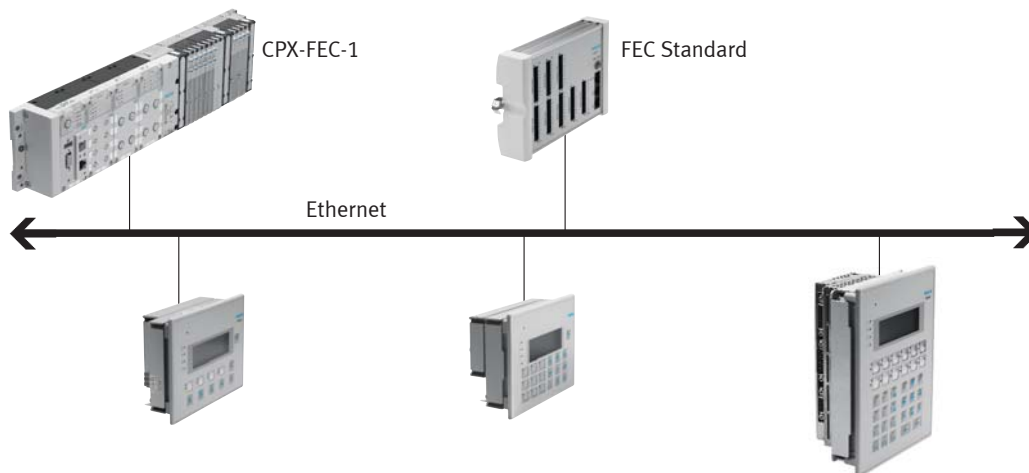
Product Short Information

Front-end displays FED 40 ... FED 90

Text panels

Communication capability

FEC modular and FED 50 to FED 90 communicate in a network via Ethernet.



FED 40: Introductory model

Price follows function! The unit is connected serially to the controller. It is operated via 4 freely programmable function keys and 7 system keys.

FED 50: bus-compatible

The FED 50 can also be expanded by the FED 40 functions via an Ethernet or fieldbus interface. A realtime clock is also included in the standard version starting with FED 50.

FED 60: 10-key keypad included

In addition to the function and system keys, the FED 60 also includes a 10-key keypad. The optional bus interface and realtime clock are also standard here.

FED 90: All inclusive

As compared with the FED-60, the larger design of the FED 90 offers 12 function keys and 23 system keys. The alarm and event list can be output directly via a printer interface.

Key features of the FED series at a glance:

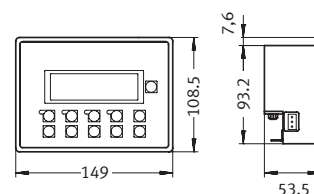
Depending on the FED variant, the following functionalities are available

- Serial interface, Ethernet optional for use in networks (not FED 40).
- Battery back-up of the alarm and event data (not FED 40)
- Including the graphical planning tool "FED Designer"

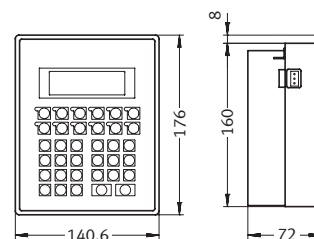
- No parameterization required, software includes the control data and recognizes the display
- Simple graphics are possible, and with that scalable font size and simple illustration of pictograms and bar graphs
- Software for uploading projects
- Recipe handling
- Simple data acquisition
- Generously sized program memory
- Realtime clock (not FED 40)

- Printer port (FED 90)
- Password protection
- Alarm handling
- Keyboard can be programmed easily via macros
- Multilingual projects possible
- Importing and exporting of texts for translation

Dimensions FED 40/50/60



Dimensions of FED 90



Technical data, variants and accessories

	FED 40/50/60	FED 90
Display component	LCD display, 4 x 20 characters, LED backlighting, Semigraphics 120 x 32 pixels	
Control elements	4 function keys/7 system keys FED 60: 9 function keys/10 system keys	12 function keys 23 system keys (including 10-key pad)
Interfaces	PLC/PC interface: RS232 FED 50/60 in addition: AUX interface, Ethernet optional	PLC interface: RS232, PC/printer interface: RS232, AUX interface, Optional Ethernet
Ambient conditions	IP65 protection class on the front, operating temperature 0 ... 50°C	
Operating voltage	18 ... 30 V DC	
Power consumption	250 mA	300 mA
Application memory	512 kB	
Recipe memory	16 kB	
Assembly	Control panel/control cabinet installation	
Dimensions	108.5 x 149 x 53.5 mm	176 x 140.6 x 72 mm

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