

Operator Interface FALCON

Explosion Protection Certificates

ATEX, IECEx, GOST-R



Technical Data - Overview

Design	Front panel mounting	
Display	Transflective, daylight-readable display Contrast adjustment by key	
Backlight	LED technology with additional power supply Service life 100,000 h	
Function keys at display	8 / 12 / 16 function keys (partly markable) Cursor keys 10 alphanumeric keys 9 system keys Polyester foil on FR4 material	
LEDs	4 LEDs for condition display, 4 freely allocatable LEDs (ET-75), key LEDs	
Operating system / Firmware	Proprietary operating system; SPSPlusWIN software for easy, cost-effective engineering	
Interfaces	1 x serial RS-422 bus-compatible	Optional interfaces: For barcode and RFID readers serial: RS-232 / RS-422 / RS-485 Profibus DP / MPI / Ethernet TCP/IP
Ingress Protection (front)	IP65	
Voltage	12 VDC / 24 VDC	

Accessories & Options (further accessoires and information on our homepage)



Ex i Barcode Scanner



Ex i Mifare Card Reader



Ex i Card Reader



SPSPlusWIN
project engineering
software

Operator Interface FALCON



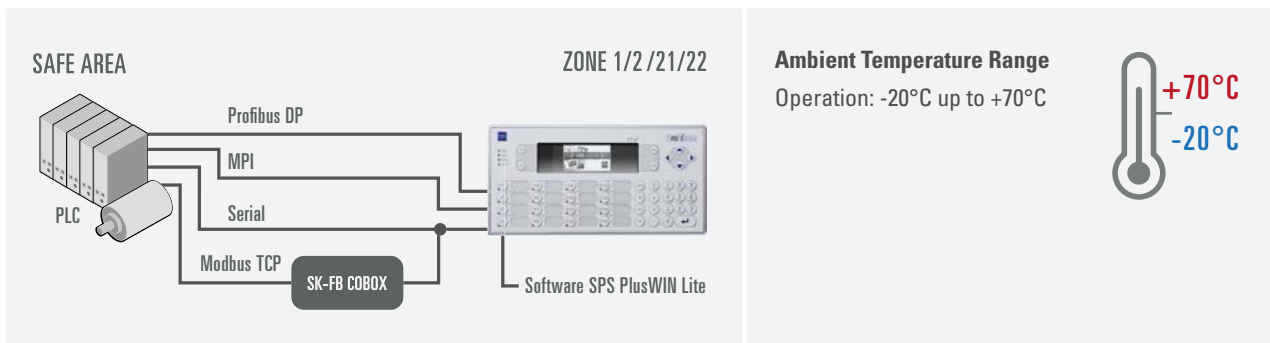
The key areas of application of the FALCON operator interfaces are simple automation tasks, machine-level control and operations, and access control in tank farms, hazardous areas, Zone 1, 2, 21, 22. Designed as intrinsically safe equipment, the devices can be operated at extreme temperatures ranging from -20°C up to +70°C, and are the operator interfaces of choice worldwide for these tasks. They can communicate easily and maintenance-free with all types of automation systems.

As an option, they can be configured with the SPSPlusWIN software for easy and cost-effective engineering.

This multi-functionality, combined with international language support and the attractive cost/benefit ratio make the FALCON series the most popular in its class.






- Ready-to-run HMI for simple automation tasks and PLC control
- Rugged design for temperatures ranging from -20°C up to +70°C
- SPSPlusWIN software for fast and cost-effective project engineering
- Excel import/export functions, and Ethernet upload/download
- Multi-lingual user interface
- Wide variety of functions, e.g. bar graphs, analogue, and alarm display

Functional principle





Product types

ET Zone 1 / 21	 ET-65	 ET-75	 ET-125	 ET-125-A
MT Zone 2 / 22	 EM-65			

FALCON operator interfaces communicate via modern Ethernet protocols such as Profinet, Ethernet IP or Modbus TPC, or via serial protocols such as Profibus, Modbus and MPI.

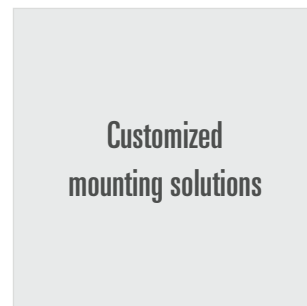
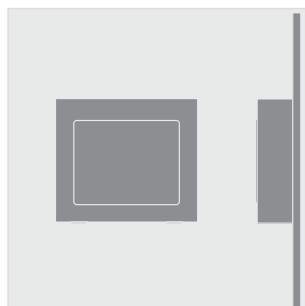
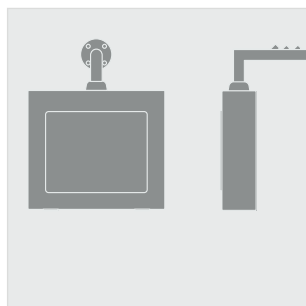
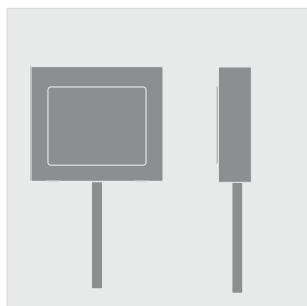
Standard panel-mount module



Customized enclosures



Mounting options



FALCON HMIs come in an extremely rugged plastic enclosure; the built-in display and keyboard meet the IP 65 standard – manufactured with a polyester film, both display and keyboard are protected against dirt, dust and aggressive production atmospheres.

Our FALCON HMIs are available either as panel-mount modules; optionally, they can be installed into various plastic or stainless steel enclosures.

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