Alarm and control unit FP4

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Product features

- Alarm and control unit for max. 10 digital inputs (e.g. contact pressure gauge or pressure switch), 8 analogue inputs (e.g. pressure transmitters or weighing scales) and one additional input for an external emergency shut off
- The unit may be used for 1 purge system including 3 pneumatic valves and 1 more individually programmable pneumatic valve
- User selectable ACV (pn. operated cylinder valve) option or Extra Downstream EMO option
- User adjustable vent timer, pressurisation timer and purge cycles
- Touchscreen operation: all operation from ergonomically positioned Human Machine Interface
- Industrial PLC controls all inputs and outputs as well as analogue signal processing
- 4 Relay outputs
- Communication options:
  Ethernet and Modbus RTU
- Solenoid valves can be manually operated
- Daylight visible LED indicators
- Acoustic signals can be silenced
- Digital inputs to be configured for NO or NC contacts
- All parameters and signal configurations can be programmed with the touch panel at the front of the unit
- Plastic housing IP 65 for wall mounting
- Emergency shut off
- Password protection for 2 superior levels of access
- Multiple Language Support: German / English
- According to Low Voltage Directive 2014/35/EU

Technical data

Housing	
Protection class:	IP65
Dimensions:	300 x 320 x 200 mm
Compatibile Inputs	
	- mechanical switches
	- electr. switch PNP/NPN (DC only)
	- analogue sensors (4-20 mA)
Relay output	
max. switch-able voltage:	24 V DC
max. switch-able load:	1 A
Pneumatic output	
Actuator pressure:	max. 7 bar
Actuator connector:	for hose Ø 4mm
Power supply voltage:	110-230 V AC / 50-60 Hz
max. current:	1,5 A
Communication parameters RS-232	
Baud rate:	19200
Polarity:	1 Stopbit 8O

Applications in explosive environment

The control unit FP4 must be mounted *outside of explosive environment*. Inductive sensors, which are installed inside hazardous areas, have to be activated by an ATEX-approved switch amplifier. This amplifier also has to be mounted *outside of explosive environment*. The output contact of the switch amplifier can easily be connected to the control unit.

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Subject to alteration without prior notice

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