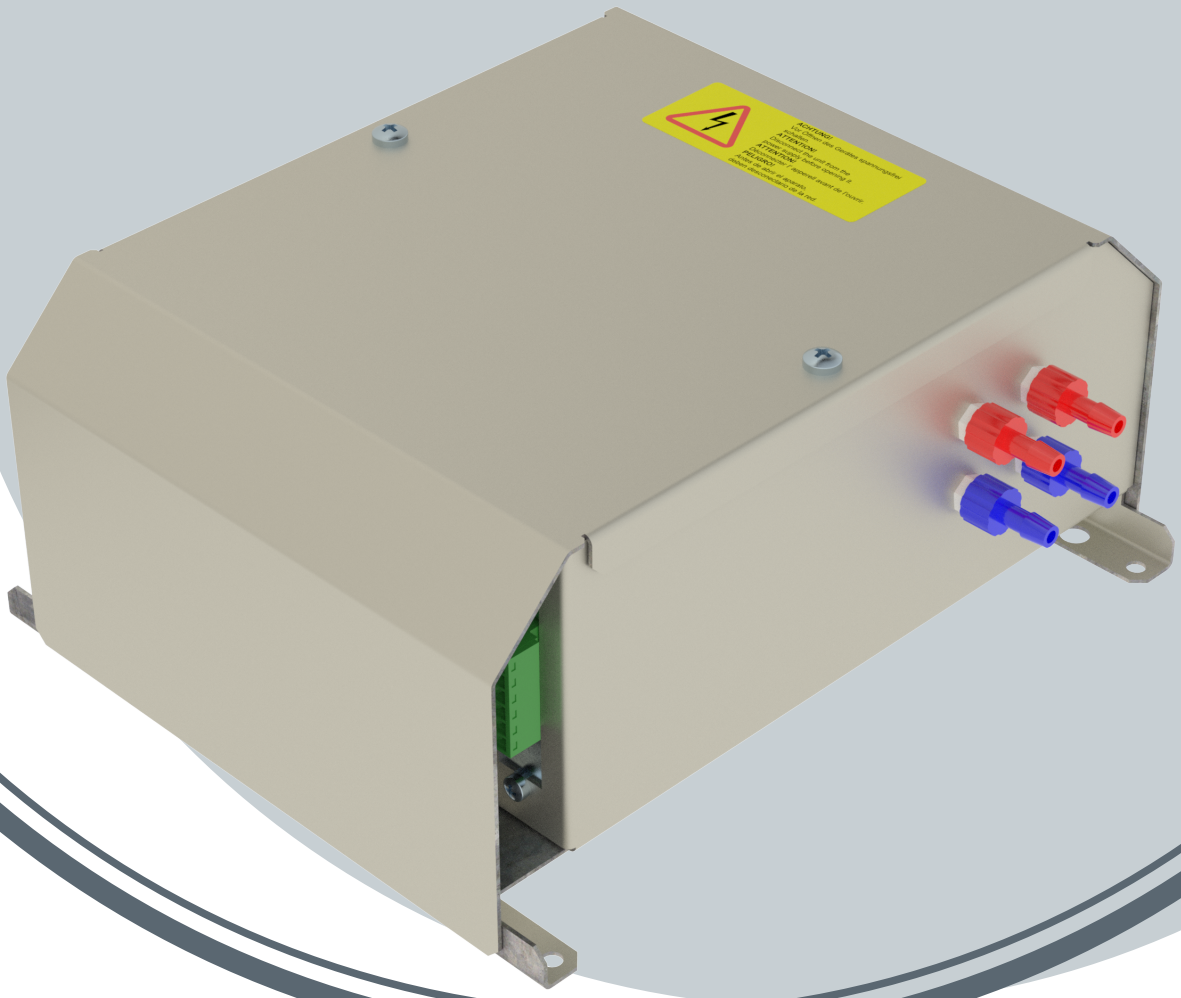


Technical Datasheet

Fume Hood Monitor FM400

SCHNEIDER

SCHAKO Group

1 Technical Data

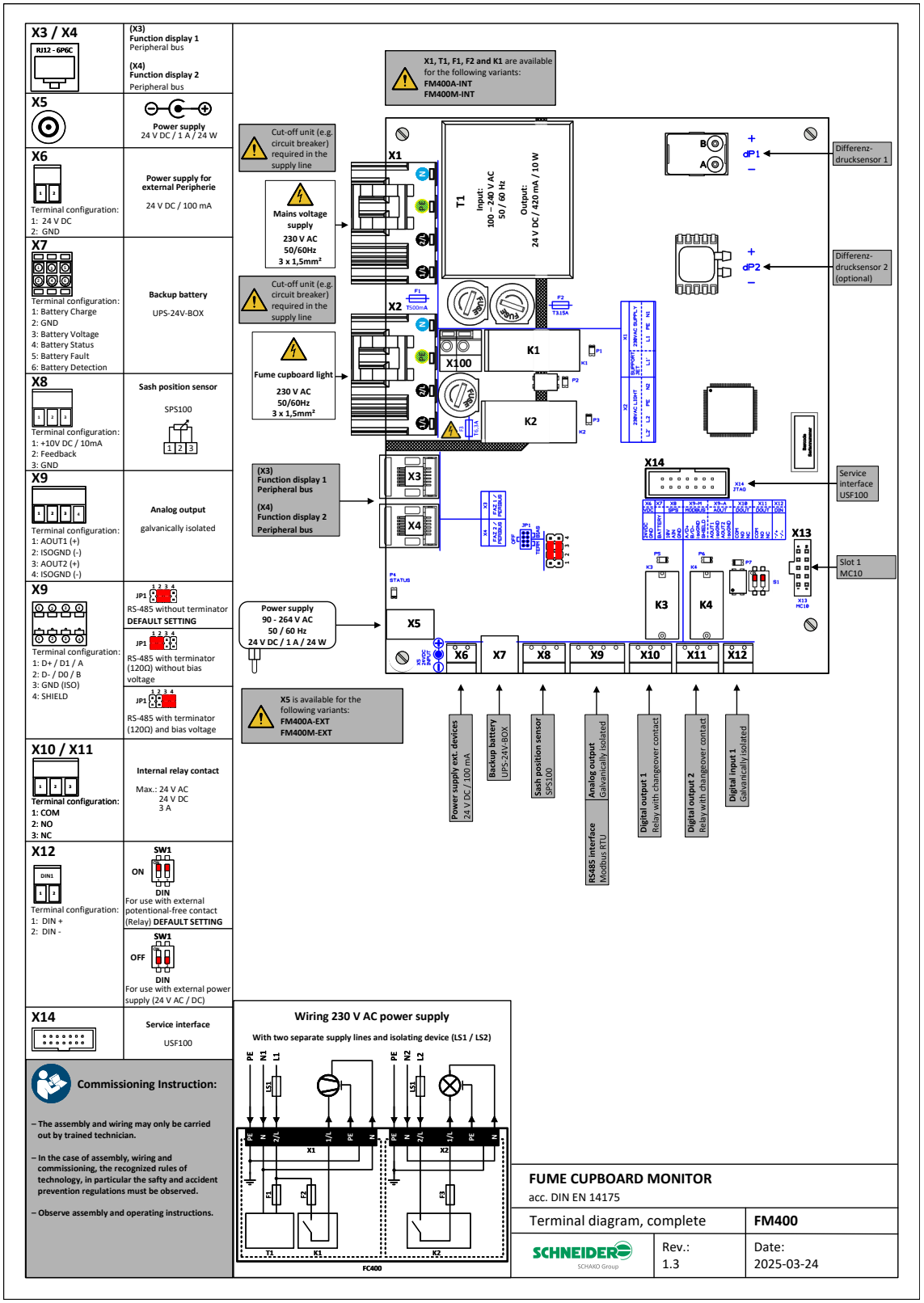
General	
Operating temperature	+15 °C to +40 °C
Storage temperature	-20 °C to +70 °C
Recovery time	5 to 10 s
Humidity	≤ 80% relative, non-condensing
Overvoltage category	II
Pollution degree	2
Protection class	Class I
Area of application	Indoor use only
Installation altitude	≤ 2000 m above sea level
Enclosure	
Degree of protection	IP 20
Material	Sheet steel, zinc-plated, coated on one side
Color	similar to RAL 9002 grey white
Dimensions (L × W × D)	170 × 92 × 197 mm
Weight	approx. 2.5 kg
Low-voltage supply input (Option EXT)	
Input voltage range (DC)	22.8 to 26.4 V DC
Rated current	0.5 A
Rated power	10 W
Connection type	Screw terminal
Conductor cross-section rigid / flexible	0.08 to 1.5 mm²
Integrated protection	Short-circuit, overload, overvoltage
Mains supply terminal (Option INT)	
Input voltage range (AC)	100 to 240 V AC ± 10%
Frequency range (AC)	47 to 63 Hz
Rated current	0.1 A
Rated power	10 W
Connection type	Spring terminal
Conductor cross-section rigid / flexible	0.25 to 1.5 mm²
Output of internal power supply	max. 10 VA @ 24 V DC
Integrated protection	Short-circuit, overload, overvoltage Cartridge fuse 5x20 mm 250 V / T 0.5 A
Low-voltage output (Option INT)	
Output voltage range (DC)	21.7 to 24.72 V DC
Rated current	0.33 A
Rated power	8 W

Connection type	Screw terminal
Conductor cross-section rigid / flexible	0.08 to 1.5 mm²
Integrated protection	Short-circuit, overload, overvoltage
Fume hood light	
Quantity	1 relay
Contact type	Normally open (NO) contact
Rated voltage	230 V AC
Rated current	6.3 A
Rated load	Max. 1500 W (resistive)
Internal protection	Cartridge fuse 5x20 mm 250 V / T 6.3 A
Conductor cross-section rigid / flexible	0.5 to 2.5 mm²
Support beam	
Quantity	1 relay
Contact type	Normally open (NO) contact
Rated voltage	230 V AC
Rated current	3.15 A
Rated load	Max. 750 W (resistive)
Internal protection	Cartridge fuse 5x20 mm 250 V / T 3.15 A
Conductor cross-section rigid / flexible	0.5 to 2.5 mm²
Position sensor	
Measurement principle	Static, cable-pull potentiometer
Measuring range	0 mm to 1000 mm (SPS100) 0 mm to 2000 mm (SPS200)
Response time	< 10 ms
Relay output	
Quantity	2
Contact type	Changeover contact (CO)
Max. switching voltage	24 V AC / DC
Max. continuous current	3 A, external fuse required
Conductor cross-section rigid / flexible	0.08 to 1.5 mm²
Digital inputs	
Quantity	1
Input voltage	24 V AC / DC
Max. input current	≤ 10 mA
Signal voltage active	1.2 V to 28 V DC
Signal voltage inactive	0 V to 1.2 V DC
Auxiliary voltage (internal)	24 V DC for external switch contact
Integrated protection	Short-circuit, overload, overvoltage
Conductor cross-section rigid / flexible	0.08 to 1.5 mm²

Differential pressure sensor	
Quantity	1 to 2
Pressure range	0 to 300 Pa -150 to +150 Pa 10 to 1000 Pa
Response time	< 10 ms
Sensor burst pressure	0.3 bar
RS-485 interface (Option M)	
Quantity	1
Data rate	Max. 115 kBaud
Protocols	Modbus RTU
Cable	e.g., JY(St)Y 2 x 2 x 0.8 shielded
Analog output (Option A)	
Quantity	2
Output voltage	0 V to 10 V DC ± 1%, freely programmable
Max. output current	0–20 mA ± 1%, freely programmable
Resolution	10 bit
Load (voltage output)	RL ≥ 500 Ω
Load (current output)	RL ≤ 500 Ω
Integrated protection	Short-circuit, overload, overvoltage
Conductor cross-section rigid / flexible	0.08 to 1.5 mm²

Table 1: Technical Data

2 Terminal Diagram FM400M / FM400A



The information and data contained in this documentation have been compiled to the best of our knowledge and in accordance with the current state of the art (subject to technical changes). The currently valid version applies. The proven properties of SCHNEIDER products are based on the use of the products recommended in this documentation. Diverging situations and individual cases are not taken into account, so that we cannot assume any warranty and liability.

As of June 2025

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Do you have any questions? We look forward to your message:

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