

# Technical Datasheet

## Fume Cupboard Controller FC200



SCHAKO Group

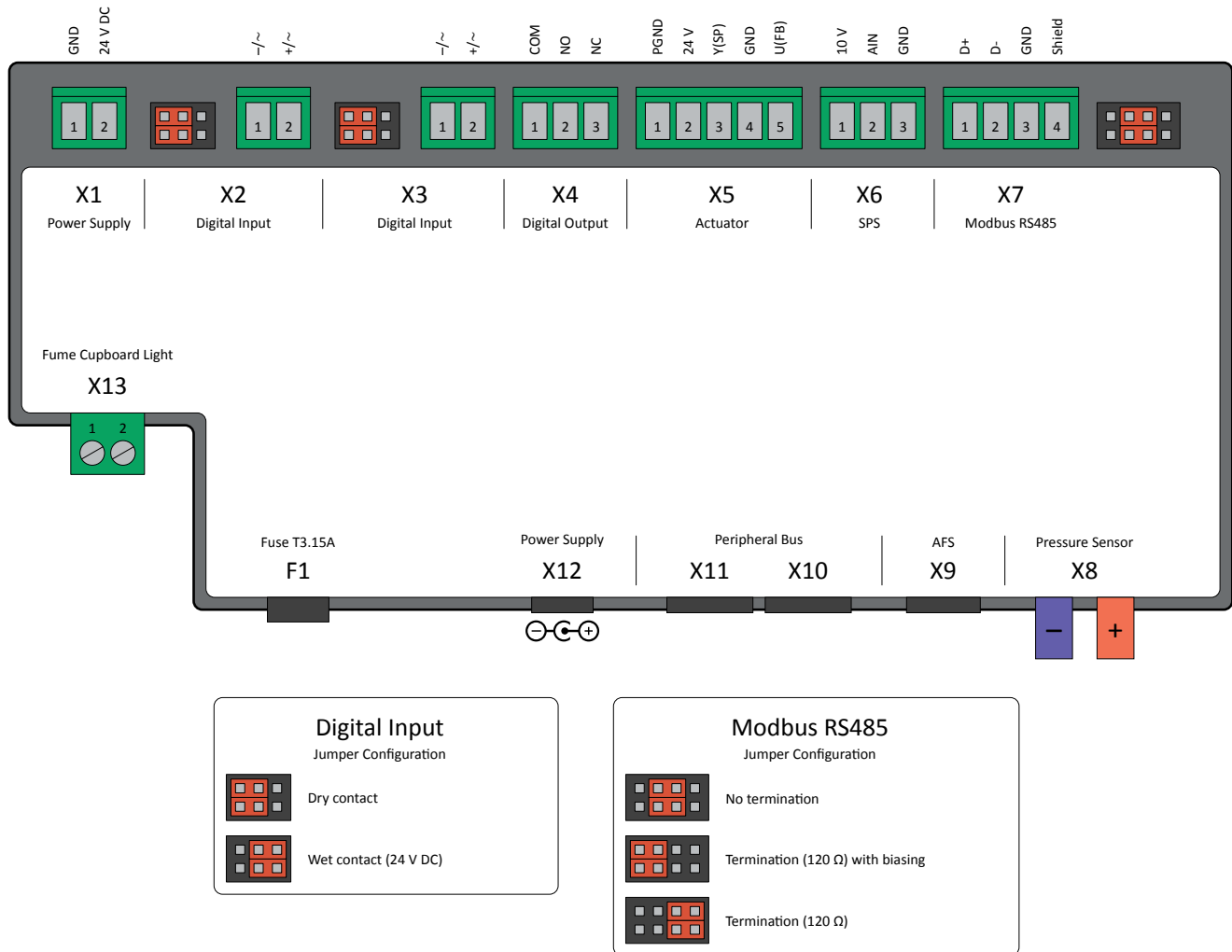
## 1 Technical Data

Enclosure	
Ingress Protection Rating	IP 20
Protection Class	II
Material	Plastic (PA12/ABS)
Operating temperature	+15°C to +40°C
Color	similar to RAL 9005
Dimensions (L × W × H)	186 × 86 × 28 mm
Weight	approx. 250 g
Terminals	0.2 to 1.5 mm <sup>2</sup>
Environment	dry indoor locations
Altitude	up to 2000 m
max. relative humidity	80% (non-condensing)
Power Supply	
Input voltage range	22.8 to 26.4 V DC
Rated current	1.0 A
Rated power	24 W
Typical power consumption	10 W
Plug-in Power Supply Unit	
Input voltage range	80 to 264 V AC
Frequency range	47 to 63 Hz
Efficiency	88.5 %
Current consumption	1 A / 115 V AC 0.6 A / 230 V AC
Output voltage	23.52 to 24.48 V DC
Rated current	1.25 A
Rated power	30 W
Relay Output	
Number	1
Contact type	Change-over contact
Maximum switching voltage	24 V AC/DC
Maximum continuous current	3 A, external fuse required
Digital Inputs	
Number	2
Input voltage	24 V DC
Maximum input current	≤12 mA
Switching threshold (active)	> 6 V
Switching threshold (inactive)	< 2 V

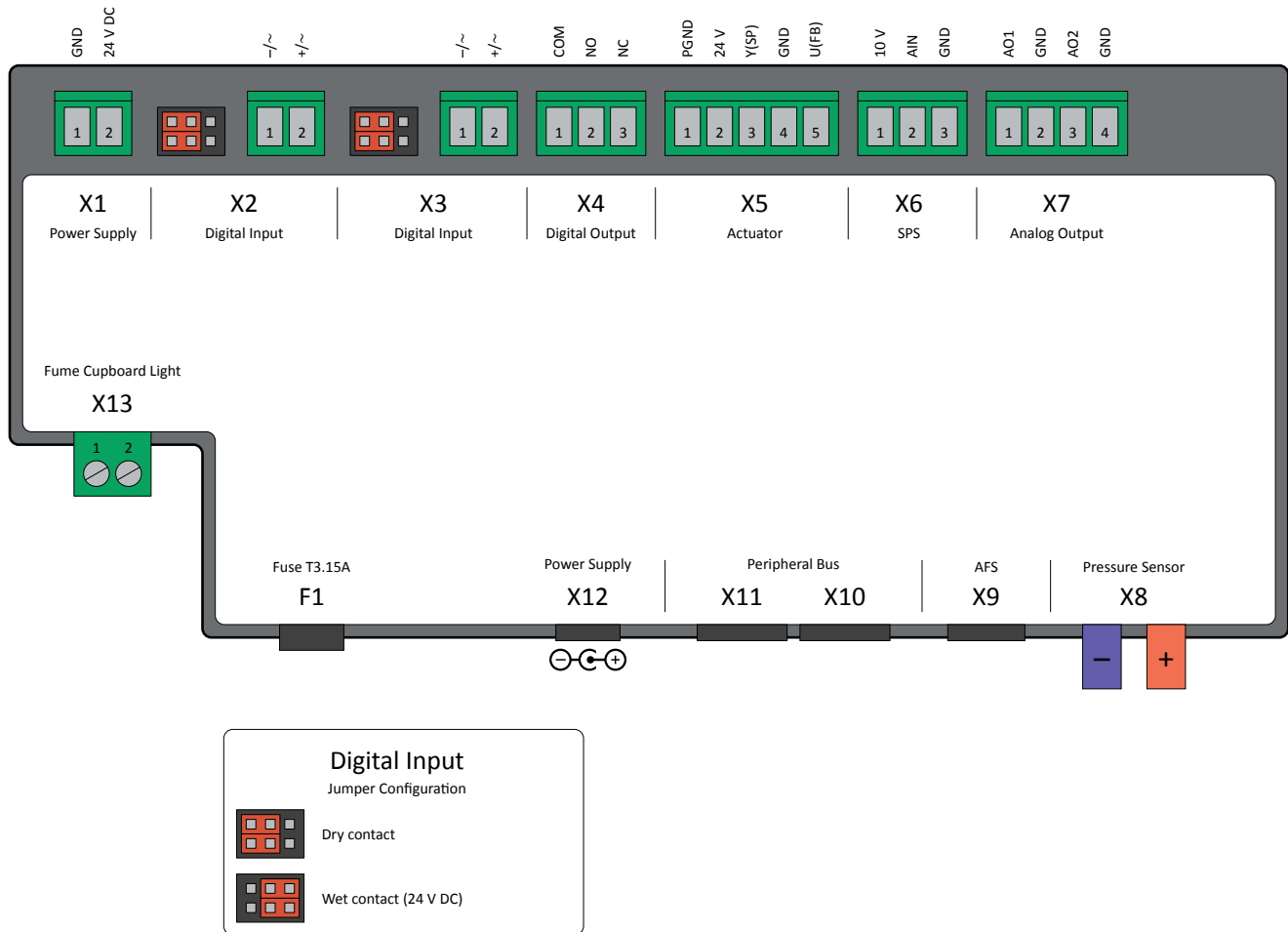
<b>High-speed Modulating Damper Actuator</b>	
Number	1
Torque	4 Nm, optionally 8 Nm
Running time	2.5 s at 4 Nm, 4 s at 8 Nm for 90° rotation
Control signal	Analog, 0(2) to 10 V DC
Resolution	< 0.5°
<b>Differential Pressure Sensor</b>	
Number	1
Pressure range	0 to 300 Pa
Response time	< 10 ms
Burst pressure	0.3 bar
<b>Position Sensor SPS100</b>	
Measuring principle	Static, cable extension potentiometer
Measuring range	0 to 1000 mm, optionally 0 to 2000 mm
Response time	< 1 ms
<b>Airflow Sensor ASF100</b>	
Measuring principle	Dynamic, hot-wire anemometric principle
Measuring range	0.2 to 1.0 m/s
Response time	< 100 ms
<b>Relay Output for Fume Hood Light</b>	
Number	1 relay for fume hood light
Contact type	Normally closed contact
Maximum switching voltage	230 V AC
Maximum continuous current	3.15 A
Internal fuse	3.15 A
<b>RS-485 Interface (only with FC200M)</b>	
Number	1
Data rate	up to 115 kBaud
Protocols	Modbus RTU
Cable	e.g. JY(St)Y 2 × 2 × 0.8 shielded
<b>Analog Outputs (only with FC200A)</b>	
Number	2
Output voltage	0 to 10 V DC, freely programmable
Maximum output current	20 mA
Load resistance	RL ≥ 1000 Ω
<b>Peribus</b>	
Number	2
Maximum output power	1.2 W

Table 1: Technical Data

## 2 Terminal Diagram FC200M



### 3 Terminal Diagram FC200A





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 February 2025

Version: 02/2025

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

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