



Technical Datasheet

Fume Hood Controller FC200

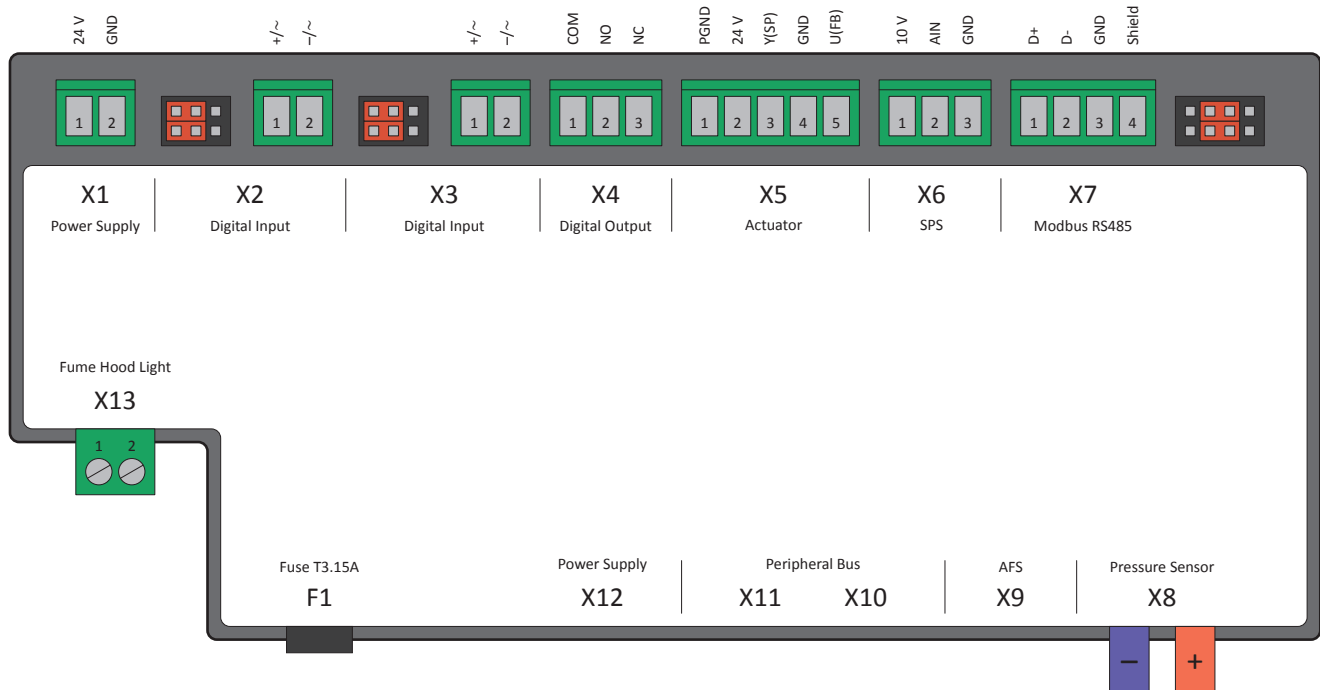
1 Technical Data

Enclosure	
Protection Class	IP 20
Material	Plastic (PA12/ABS)
Operating Temperature	+15°C to +40°C
Color	similar RAL 9005
Dimensions (L x W x H)	186 x 86 x 28 mm
Weight	approx. 250 g
Terminal Connectors	0.2 to 1.5 mm ²
Plug-in Power Supply	
Input Voltage Range	90 to 264 V AC
Frequency Range	47 to 63 Hz
Efficiency	> 80%
AC Current	0.7 A / 100 V AC 0.4 A / 230 V AC
Output Voltage	24 V DC
Rated Current	1.0 A
Rated Power	24 W
Relay Output	
Number	2
Contact Type	Changeover contact
Maximum Switching Voltage	24 V AC/DC
Maximum Continuous Current	3 A, external fuse required
Digital Inputs	
Number	1
Input Voltage	24 V AC/DC
Maximum Input Current	< 10 mA
High-Speed Continuous Damper Actuator	
Number	1
Torque	4 Nm, optional 8 Nm
Actuation Time	2.5 s at 4 Nm, 4 s at 8 Nm for a 90° rotation
Control	Analog, 0 (or 2) to 10 V DC
Resolution	< 0.5°
Differential Pressure Sensor	
Number	1
Pressure Range	0 to 300 Pa
Response Time	< 10 ms
Sensor Burst Pressure	

Displacement Sensor SPS100	
Measurement Principle	Static, string potentiometer
Measurement Range	0 to 1000 mm, optional 0 to 2000 mm
Response Time	< 1 ms
Airflow Sensor ASF100	
Measurement Principle	Dynamic, hot-wire anemometric principle
Measurement Range	0.2 to 1.0 m/s
Response Time	< 100 ms
Relay Output for Fume Hood Light	
Number	1 relay for fume hood light
Contact Type	Working contact
Maximum Switching Voltage	230 V AC
Maximum Continuous Current	3.15 A
Internal Fuse	
RS-485 Interface (only for FC200M)	
Number	1
Speed	Maximum 115 kBaud
Protocols	Modbus RTU
Cable	e.g., JY(St)Y 2 x 2 x 0.8 shielded
Analog Outputs (only for FC200A)	
Number	2
Output Voltage	0 V to 10 V DC, freely programmable
Maximum Output Current	10 mA
Load Resistance	$RL \geq 1000 \Omega$

Table 1: Technical Data

2 Terminal Diagram FC200M



Digital Input

Jumper Configuration



Dry contact



Wet contact (24 V DC)

Modbus RS485

Jumper Configuration



No termination

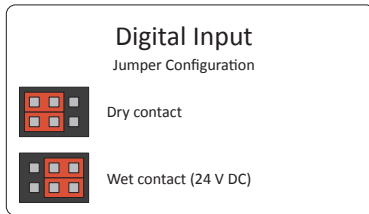
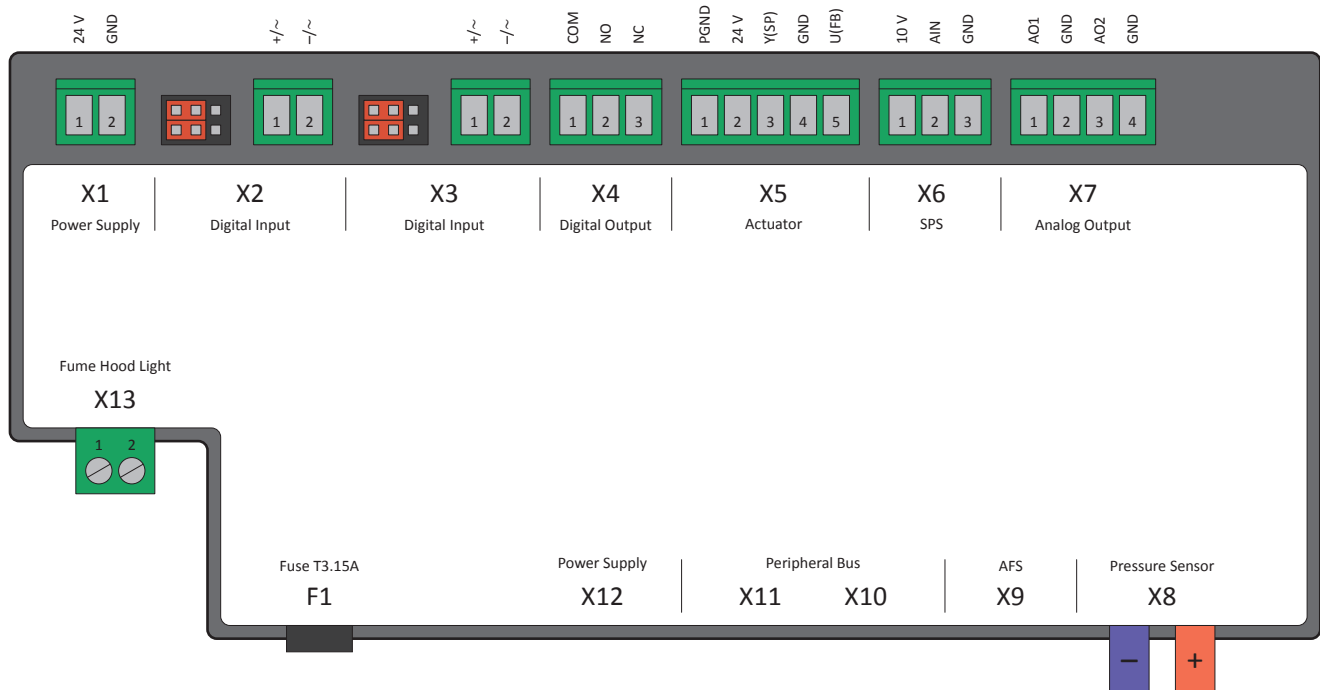


Termination (120 Ω) with biasing



Termination (120 Ω)

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.

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

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