

Technical Data Sheet FSC-M200 PLUS

Digital controller M200 PLUS for fire safety, smoke extraction and slip stream application.
To control and monitor up to 63 motorized fire or smoke extraction dampers and up to 7 ventilators.
Possibility for integration into a Building Automation System via BACnet IP.



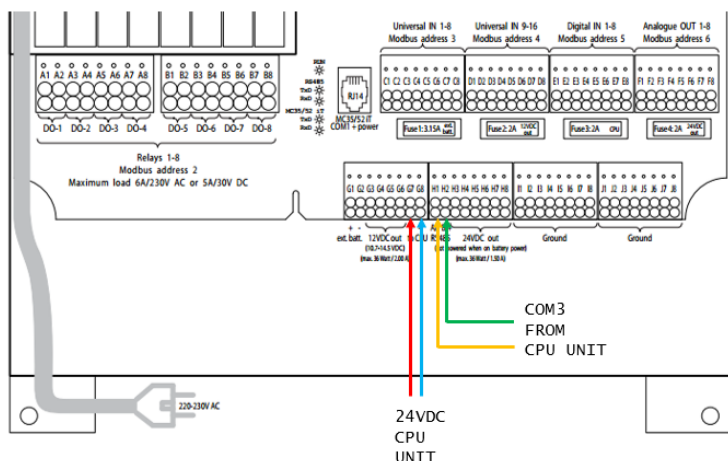
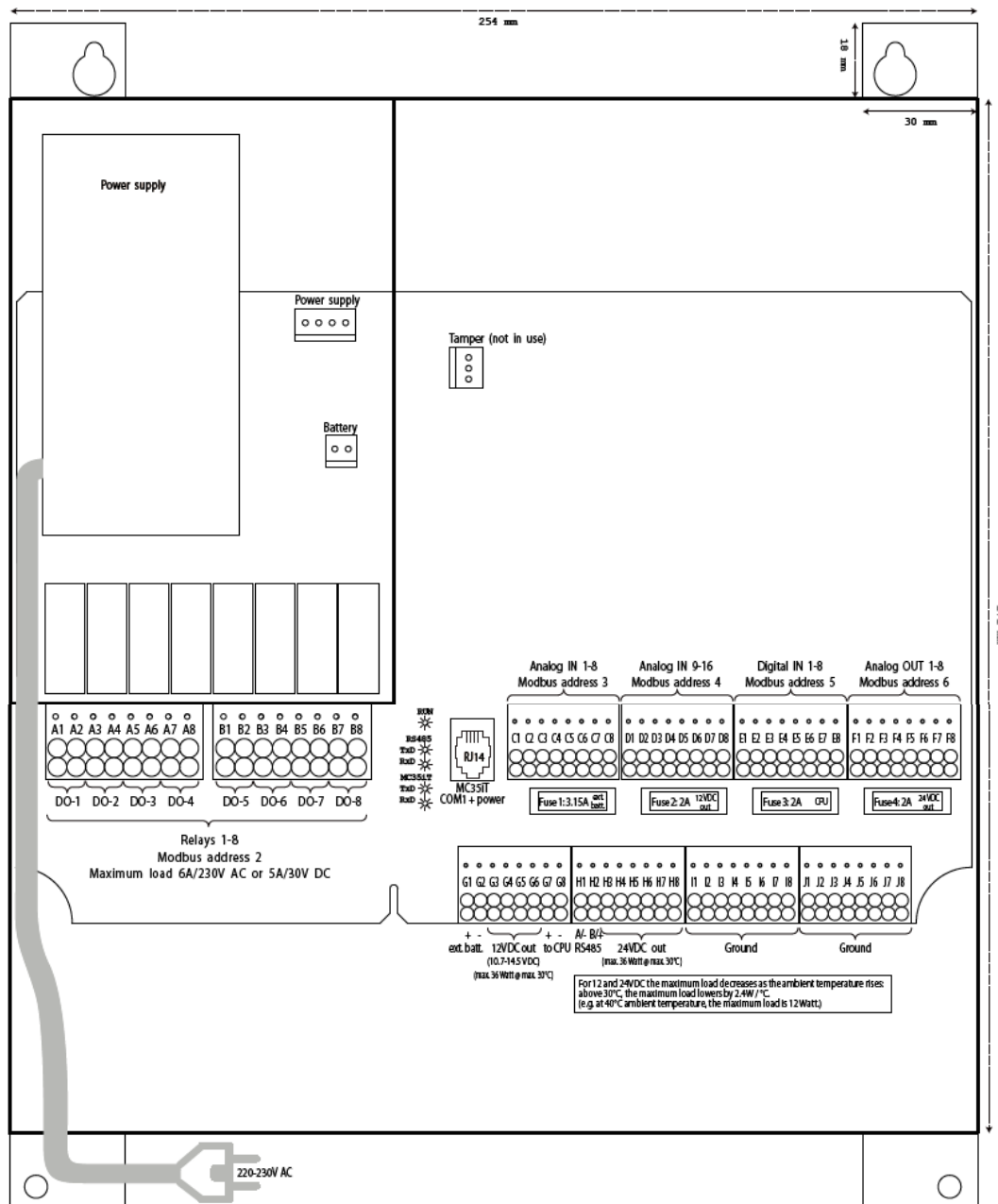
Electrical Data	Operating Voltage	100 - 240 V AC
	Power Consumption	< 10 W + damper actuators
Communication / Modbus 	Connections	Spring cage terminals (Phoenix Contact)
	Protocol	Modbus RTU
	Medium	RS-485, not electrically isolated
	Transmission Formats	Specified by Modbus RTU Standards
	Number of Joints	Max. 63 fire or smoke extraction dampers, without repeater
	Baud Rates	9.600 to 57'600 bps for Modbus
	Address	Modbus addresses from 11 – 60 (1-10 reserved for FSC-M200 PLUS) (0 reserved for broadcast)
	Termination	120 ohm (physical resistor provided with each unit)
	Typical Response Time	<200 ms
	I/O Ports	8 DO, 16 UI, 8DI, 8AO
Safety	Maximum Load	6A @230 V AC or 5A @ 30 V DC
	Protection Class	III (safety extra low voltage)
	Protection Degree	IP 54
	EMC Correlation Emission	EN61000-6-3 and EN55022
	EMC Correlation Immunity	EN50130-4 and EN55024
	Electrical Safety	EN60950-1
	Ambient Temperature	0° C to +40° C
	Storage Temperature	-25° C to +70° C
	Humidity Test	95% RH, non-condensing (EN 60730-1)
	Maintenance	Maintenance free
Mechanical Data (Dimensions / Weight)	Width	254 mm
	Height	144 mm
	Length	272 mm
	Weight	6.1 kg
	See drawings pages 3 - 5.	

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Installation	Screw-mounted.
Electrical Installation	Wiring diagram see separate page 5.
Safety Notes	The FSC-M200 PLUS is not allowed to be used outside the specified field of application, especially in aircraft or in any other airborne means of transport. The company buying and / or mounting the FSC-M200 PLUS on site bears full responsibility for the proper functioning of the whole system. Only authorized specialist may carry out the installation. All applicable legal or institutional installation regulations must be complied with during installation. The device contains electrical and electronic components and is not allowed to be disposed of as domestic refuse. All locally valid regulations and requirements must be observed.
Product Features / Application	Digital controller FSC-M200 PLUS for fire safety, smoke extraction and slip stream application. To control and monitor up to 63 motorized fire or smoke extraction dampers and up to 7 ventilators. Up to 15 scenarios can be configured in the FSC-M200 PLUS. It is mounted in the control room or according to customer's need. Integrated real time clock, touch screen and integrated IP address.
Power Supply	The FSC-M200 PLUS needs to be powered up with 230 V AC.
Communication	Internal: Modbus RTU (RS-485). External: BACnet IP, TCP/IP through Ethernet (RJ45)
Field Controller Connection	Up to 63 pcs. fire or smoke extraction dampers can be connected via FSC-UFC24, FSC-UFC24-2 or FSC-UFC230-2 to the FSC-M200 PLUS.
Additional Connections	Input Modules I/O ports 8 x DO, 16 x UI, 8 x AO, 8 x DI. Output Modules For any kind of Modbus modules.

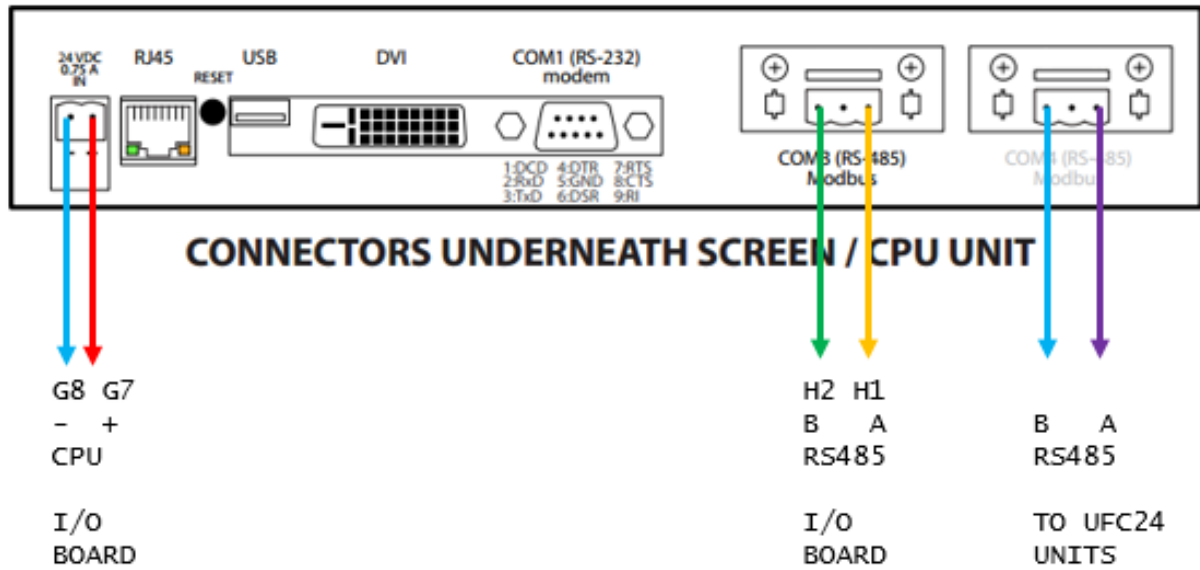
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Layout Connection Panel (I/O Modules)

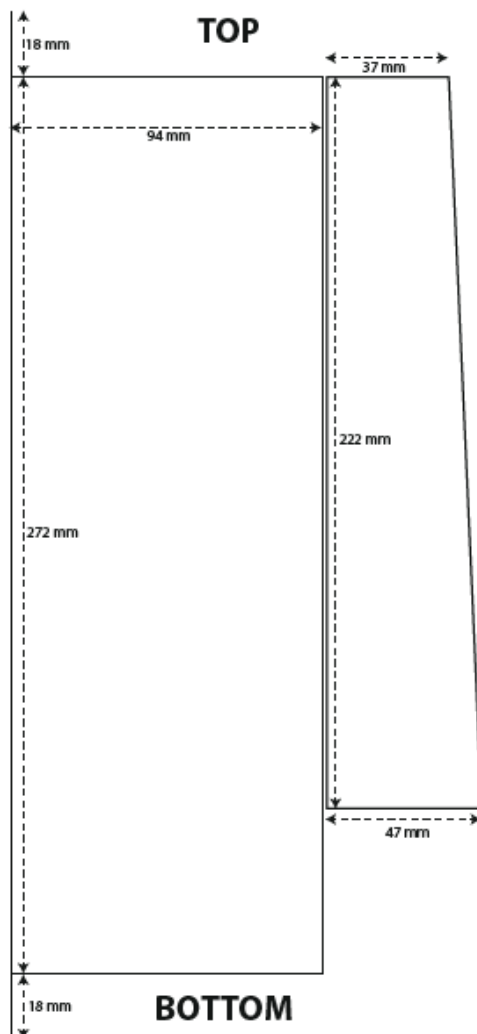


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Layout Connection User Interface (CPU)



Dimensions



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Wiring Diagram

