



EC Modbus Display

EC Motor data and alarms readily available

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Description

The EC Modbus Display is designed specifically for reading and displaying of motor parameters and alarms from ebmpapst EC fans via RS485 / MODBUS® RTU interface. Ideal for use in both new and refurbished ventilation solutions

Function	Description
Power	Current power consumption in watt
Energy consumption	Continuous consumption of kW/h
Reset kW/h	Reset current kW/h measurement
Speed	Current speed in RPM
Speed control	Adjust fan speed between 0-100%
Speed min.	Set minimum speed 0-50%
Speed max.	Set maximum speed 50-100%
Operating hours	Total number of operating hours
Model	The fan model type
Serial number	The serial number from the fan
Warning	Warning code displayed and logged
Error	Error code displayed and logged
SD Card (230VAC model)	Retrieve alarms via SD card
Status	Ready - Run - Fault



EC Modbus Display

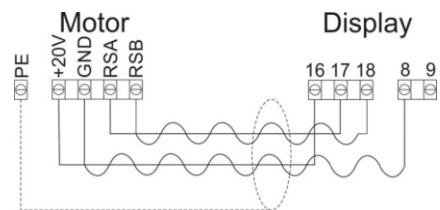
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Nominal Data

Item No.	290F00344 - EC Modbus Display 20V 290F00345 - EC Modbus Display 230V
Enclosure	IP 40
Size in mm HxWxD	20-24V: 85x85x33 / 230V: 87x87x42
Weight in g.	100
Ambient Temperature	0-60°C
Bus Type	MODBUS® RS/485 Channel A and B
Bus Speed	Jumper 120 Ohm termination RS-485
Display Language	English, German or Danish
Applicable Standards	EN61000-6-1 and EN 61000-6-3 Electromagnetic Compatibility (EMC) EN 60335-1 Product Standard CE

Modbus Termination and Electrical Diagram 20-24V

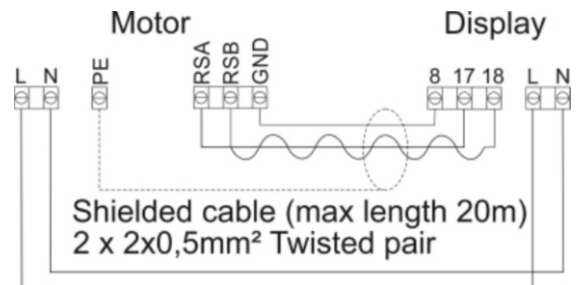
Terminal Nos.	Description	Comments
8 and 16	Connection of power supply	20V DC
9, 17 and 18	RS 485 Modbus	



Shielded cable (max length 20m)
2 x 2x0,5mm² Twisted pair

Modbus Termination and Electrical Diagram 230V

Terminal Nos.	Description	Comments
L and N	Connection of power supply	230V AC ±10%
17 and 18	RS 485 Modbus	
8 and 9	0V, GND	



Shielded cable (max length 20m)
2 x 2x0,5mm² Twisted pair

