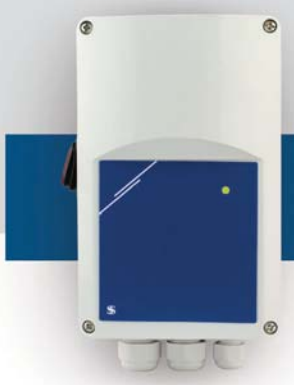
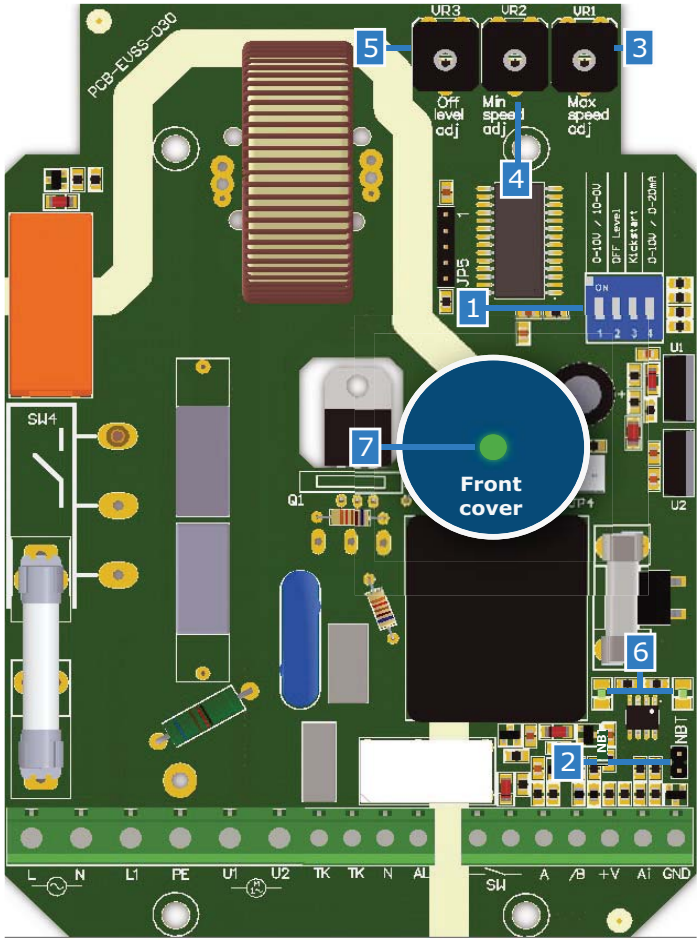


SENTERA CONTROLS

EVS

Electronic fan speed controller



Wiring and connections

L	Supply voltage 230 VAC ± 10 % – 50 / 60 Hz	
N	Neutral	
PE	Earth terminal	
L1	Unregulated output (230 VAC / max. 2 A)	
U1, U2	Regulated output to the motor	
SW	Remote control switch / timer start switch	
A	Modbus RTU (RS485) signal A	
/B	Modbus RTU (RS485) signal /B	
+V	Supply output +12 VDC / 1 mA	
Ai	Analogue input 0—10 VDC / 0—20 mA (10—0 VDC / 20—0 mA) / Logic input for timer function	
GND	Ground	
Connections	Cable cross section	max. 2,5 mm²
	Cable land clamping range	3—6 mm / 5—10 mm

Caution: *If an AC power supply is used with any of the units in a Modbus network, the GND terminal should NOT BE CONNECTED to other units on the network or via the CNVT-USB-RS485 converter. This may cause permanent damage to the communication semiconductors and / or the computer!*

Settings

1 - DIP switch settings

Ascending / descending input mode selection (DIP switch, position 1)		ON – Descending mode: 10—0 VDC / 20—0 mA
		OFF – Ascending mode: 0—10 VDC / 0—20 mA
OFF level selection (DIP switch, position 2)		ON - enabled
		OFF - disabled
Kick start selection (DIP switch, position 3)		ON – Kick start enabled
		OFF – Soft start enabled
Input mode selection (DIP switch, position 4)		ON – Current mode (0—20 mA / 20—0 mA)
		OFF – Voltage mode (0—10 VDC / 10—0 VDC)

2 - Network bus resistor jumper (NBT)	*	EVS is the first or last unit
3 - Max. speed trimmer		Adjusts the maximum output voltage from 175 VAC (left) to 230 VAC (right)
4 - Min. speed trimmer		Adjusts the minimum output voltage from 69 VAC (left) to 161 VAC (right)
5 - Off level trimmer		**Ascending mode**
		Off value from 0 VDC (left) to 4 VDC (right) in voltage mode
		Off value from 0 mA (left) to 8 mA (right) in current mode
		Descending mode
		Off value from 10 VDC (left) to 6 VDC (right) in descending and voltage mode
		Off value from 20 mA (left) to 12 mA (right) in descending and current mode
6 - Modbus communication indication	Blinking green	Transmitting / receiving
7 - Operating LED indication (on the front cover)	Cont. green	Normal operation
	Blinking green	Stand-by mode

*□□ indicates open (OFF) position of the jumper.