

# DeltaSol BS Plus

Solar controller



- microprocessor controlled heat quantity balancing for different hydraulic basic systems with pump speed control and calorimetric meter
- multi-functional and illuminated combined display
- visualisation of the system status; simple pictograms provide information about function and operating status of the controller and the system
- Operation by three pushbuttons

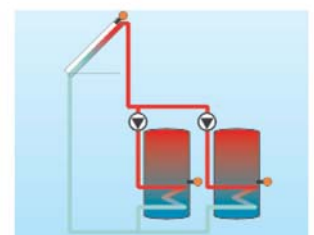
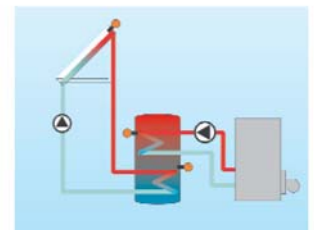
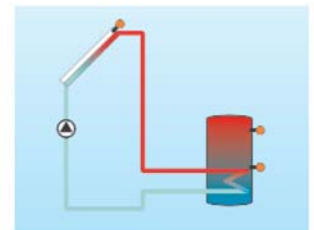
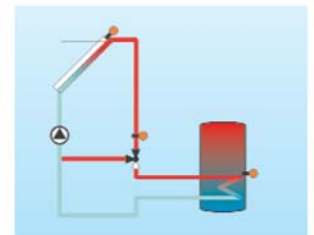
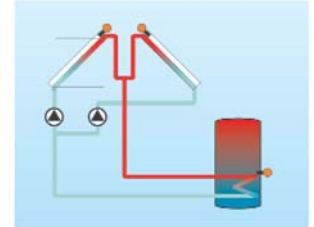
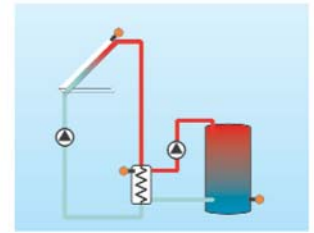
#### Technical data

Housing	Plastic, PC-ABS and PMMA
Protection type	IP 20 / DIN 40050
Ambient temperature	0 ... 40 °C
Dimensions	172 x 110 x 49 mm
Installation	wall mounting, mounting into patch panels is possible

## Technical data

<b>Display</b>	system-monitoring for visualisation of systems, 16-segment- and 7-segment display, 8 symbols for indication of system status and operating control lamp
<b>Inputs</b>	4 temperature sensors Pt1000
<b>Outputs</b>	2 semiconductor relays
<b>Operation</b>	3 pushbuttons at the front
<b>Functions</b>	differential temperature controller with adjustable system functions. Function control according to BAW-guidelines, operating hours counter for the solar pump, tube collector function, thermostat function, pump speed control, heat quantity measurement
<b>Bus</b>	VBus®
<b>Power consumption</b>	approx. 2 VA
<b>Switching capacities</b>	1 (1) A 220 ... 240 V~ (semiconductor relay) 1 (1) A 220 ... 240 V~ (semiconductor relay)

## Application field



### Function overview

Max. number of collectors: 2

Max. number of storages: 2

Display: System-Monitoring illuminated

Sensor inputs (temperature): 4

Total relay outputs: 2

Number of semiconductor relays

(pump speed control): 2

Number of potential-free relays: -

Input CS10 (irradiation): -

Impulse input (V40): -

WMZ with flowmeter: 1

WMZ with V40: -

Weather-compensated heating

circuits: -

Additional DT-regulation (e.g.

heat exchange): ✓

Thermostat function: ✓

Pump speed control: ✓

Frost protection: ✓

Collector cooling function: ✓

Minimum collector limitation: ✓

Collector emergency shutdown: ✓

Tube collector function: ✓

Recooling function: ✓

Storage loading in layers: ✓

Priority logic/parallel loading /

oscillating loading: ✓

VBus: ✓



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