

DeltaSol BS

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

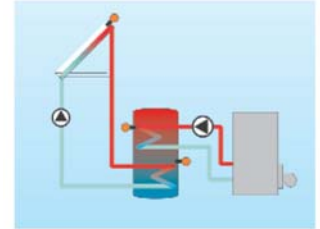
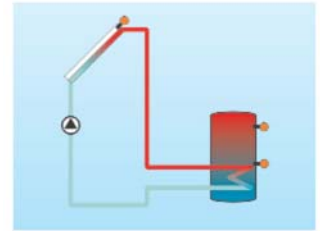
Technical data

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

Display	system-monitoring for visualisation of systems, 16-segment- and 7-segment display, 8 symbols for indication of system status and operating control lamp
Inputs	4 temperature sensors Pt1000
Outputs	Dependent on the version
Power supply	220 ... 240 V~
Operation	3 pushbuttons at the front
Functions	differential temperature controller with adjustable system functions: function control according to BAW-directions, solar operating hours counter for solar pump, tube collector function, heat quantity balancing and pump speed control
Power consumption	approx. 2 VA
Switching capacities	1 (1) A 220 ... 240 V~ (semiconductor relay) 2 (1) A 220 ... 240 V~ (standard relay)

Application field



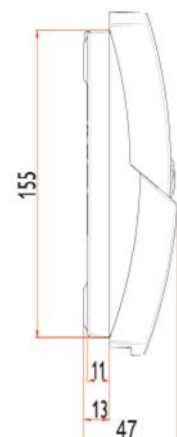
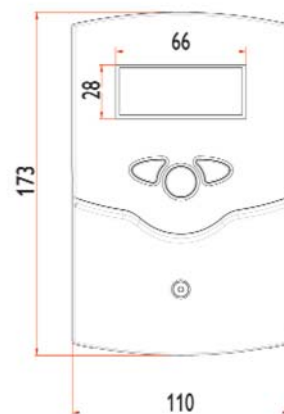
Function overview

Max. number of collectors: 1
 Max. number of storages: 1
 Display: System- Monitoring illuminated
 Sensor inputs (temperature): 4
 Total relay outputs: 2
 Number of semiconductor relays(pump speed control): 1
 Number of potential-free relays: -

Input CS10 (irradiation): -
 Impulse input (V40): -
 WMZ with flowmeter: ✓
 WMZ with V40: -
 Weather-compensated heating circuits: -
 Additional DT-regulation (e.g. heat exchange): -
 Thermostat function: ✓
 Bypass solar circuit: -

External heat exchanger: -
 Pump speed control: ✓
 DVGW-protection against legionella: -
 Frost protection: ✓
 Heating circuit backup: -
 Collector cooling function: ✓
 Minimum collector limitation: ✓
 Collector emergency shutdown: ✓
 Cooling function: -

Mixer regulation heating circuit: -
 Tube collector function: ✓
 Recooling function: ✓
 Timer/Time: -
 Storage loading in layers: -
 Priority logic/parallel loading / oscillating loading: -
 VBus®: ✓
 RS232: -



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