

## DeltaSol® BS/1-3



rosenthal design 

- Illuminated system-monitoring-display
- Up to 4 temperature sensors Pt1000
- Solar operating hours counter
- Thermostat function (BS/3)
- 2 basic systems selectable (BS/3)
- Heat balancing, tube collector function
- Function control
- Housing in outstanding design and easy user-friendly operation



The controller can be branded with your own logo. Please contact our sales team.

The RESOL controller for standard solar thermal systems. The controller *DeltaSol® BS* offers a clear operating concept and is equipped with the newly developed illuminated display with system-monitoring. Flashing symbols for sensors, pumps and valves enable an immediate display of temperatures, temperature differences and active outputs. Adjustment and control of the solar system can be easily carried out. An extension to the standard version of the controller *DeltaSol® BS/1* with 1 standard-relay is the *DeltaSol® BS/3* with 2 standard-relays and an additional thermostat function.

### RESOL *DeltaSol® BS/1*

Solar controller with tank temperature limitation (68 ... 203 °F)

Article-no.: 115 411 13

### RESOL *DeltaSol® BS/3*

Solar controller with tank temperature limitation (68 ... 203 °F)

Article-no.: 115 421 03

## Accessory

### RESOL SP1

Connecting box with overvoltage protection diodes, designed for weatherproof installation (IP 65). We recommend that the overvoltage protection be principally installed (wired) with collector sensors in order to avoid overvoltage caused by lightning.



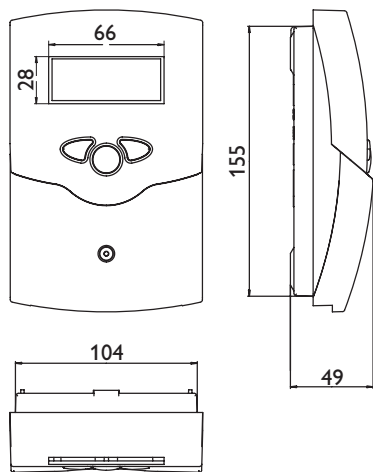
### RESOL SP1

Sensor-overvoltage protection

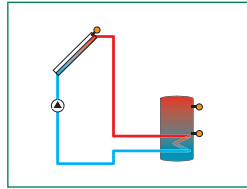
Article-no.: 180 110 10

# Solar- and differential temperature controllers

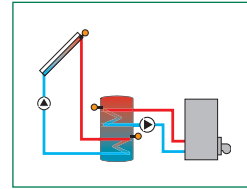
## Technical data



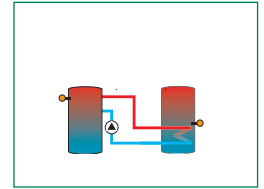
## Examples



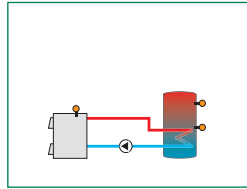
Solar system with 1 tank



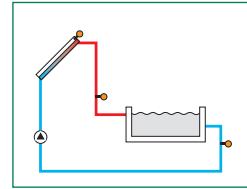
Solar system with 1 tank and thermostat for back-up heating



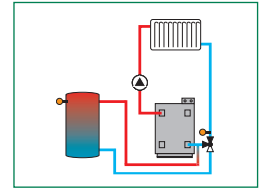
\* Heat exchange controller



\* Solid fuel boiler



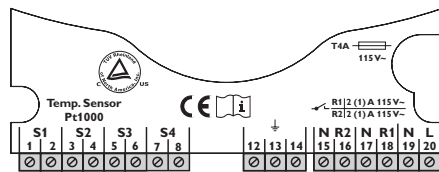
\* Solar system with swimming pool



\* Heating circuit return temperature offset

\* Abstracted display presentation

## Electrical connection



Safe and rapid connection

**Housing:** plastic, PC-ABS and PMMA

**Protection type:** IP 20 / DIN 40050

**Ambient temperature:** 32...104 °F

**Size:** 172 x 110 x 49 mm

**Installation:** wall mounting, mounting into patch panels is possible

**Display:** system-monitoring for visualisation of systems, 16-segment- and 7-segment display, 8 symbols for indication of system status and operating control lamp

**Operation:** by 3 pushbuttons in the front of the panel

**Functions:** Differential temperature controller with adjustable system functions: function control, solar operating hours counter for solar pump

**Inputs:** 4 temperature sensors Pt1000

**Output:** 1 standard-relay (DeltaSol® BS/1)  
2 standard-relays (DeltaSol® BS/3)

**Power supply:** 115 V~

**Power consumption:** 2 VA



Uncomplicated adjustment and control



Illuminated system-monitoring-display



Easy mounting...



... operation



... and service

