

DeltaSol® BS Plus



The versatile controller for standard solar and heating systems!

**cTUVus certified!**

The cTUVus certification confirms that the controller is certified to UL 60730-1A and CSA E60730.1.

The **DeltaSol® BS Plus** is our most versatile controller for simple standard solar thermal and heating systems. The intuitive commissioning menu leads you through the initial configuration in **only 6 steps**.

The **system selected** is shown on the display, the status of the individual components is indicated by means of flashing codes.

- 10 basic system layouts to choose from
- Heat quantity measurement
- Function control
- Optional thermostat function (time-controlled), thermal disinfection function, drainback function
- Commissioning menu
- Unit °F and °C selectable
- HE pump control via adapter

RESOL **DeltaSol® BS Plus**

Price bracket A | Article no.: **115 422 03**

RESOL **DeltaSol® BS Plus – Full kit**

Incl. 4 Pt1000 sensors (2 x FKP6, 2 x FRP6)

Price bracket A | Article no.: **115 422 13**



RESOL **DeltaSol® BS Plus – Full kit incl.**

Smart Display SD3

Incl. SD3 and 4 Pt1000 sensors (2 x FKP6, 2 x FRP6)

Price bracket A | Article no.: **115 425 53**

Customised and OEM versions are available on request. Please contact our sales team.

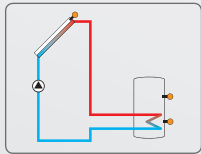


Visit [www.resol.de/videos](http://www.resol.de/videos) for a product video about this controller

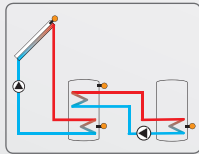
Manuals:



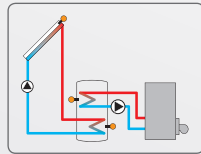
## Examples



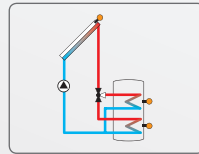
Solar system with 1 store



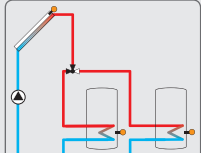
Solar system with 1 store and heat exchange controller



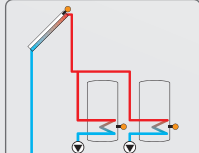
Solar system with 1 store and thermostatic afterheating



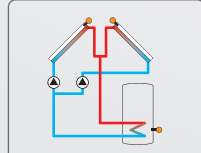
Solar system with store loading in layers



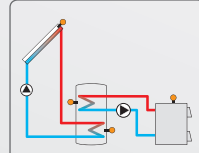
Solar system with 2 stores, valve logic



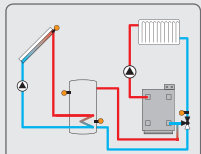
Solar system with 2 stores, pump logic



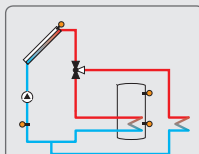
Solar system with east-west collectors and 1 store



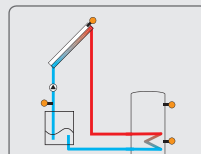
Solar system with 1 store and solid fuel boiler



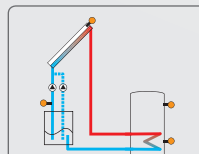
Solar system with heating circuit return preheating



Solar system with 1 store and heat dump



Solar drainback system\*



Solar drainback system with booster\*

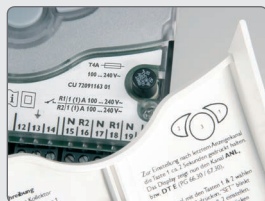
\* Application examples



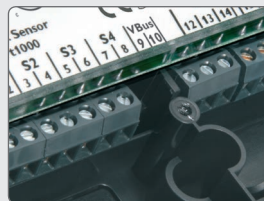
Uncomplicated operation and control



Easy mounting...



... adjustment...



... and service

## Accessories



### RESOL Moisture-proof housing

Moisture-proof housing for controller installation outdoors or in highly humid locations (without controller)

Price bracket B | Article no.: **290 028 70**



### RESOL VBus®/USB interface adapter

PC connection kit for RESOL controllers with VBus® incl. RESOL Service CD (see page 65)

Price bracket B | Article no.: **180 008 50**

**57.00 €**

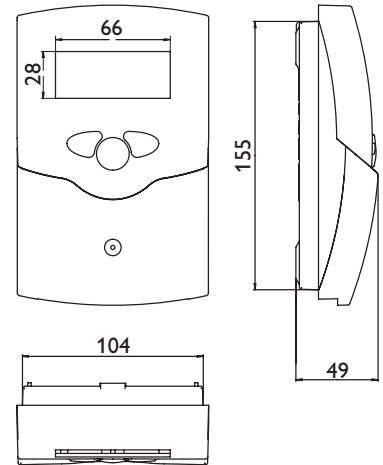


### RESOL SP10

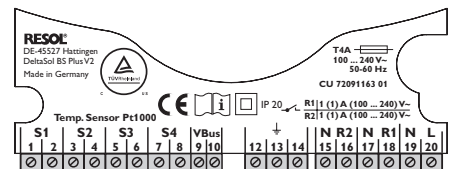
Sensor overvoltage protection

Price bracket A | Article no.: **180 110 70**

## Technical data



## Electrical connection



**Inputs:** 4 Pt1000 temperature sensors

**Outputs:** 2 semiconductor relays

**Switching capacity:**

1 (1) A 240 V~ (semiconductor relay)

**Total switching capacity:** 2 A 240 V~

**Power supply:** 100 ... 240 V~ (50 ... 60 Hz)

**Supply connection:** type Y attachment

**Power consumption:** < 1 W (standby)

**Mode of operation:** type 1.C.Y action

**Rated impulse voltage:** 2.5 kV

**Data interface:** RESOL VBus®

**VBus® current supply:** 35 mA

**Functions:** function control, operating hours counter, tube collector function, pump speed control, heat quantity measurement and time-controlled thermostat function

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

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

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

**Operation:** 3 push buttons at the front

**Ingress protection:** IP 20/EN 60529

**Protection class:** II

**Ambient temperature:** 0 ... 40 °C

**Pollution degree:** 2

**Dimensions:** 172 x 110 x 49 mm