



User-friendly
and versatile!

cTUVus certified!

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

The RESOL controller for standard solar thermal systems. The **DeltaSol® BS** controller provides a **clear operating concept** and is equipped with the illuminated **combined display** with system-monitoring.

Flashing symbols for sensors, pumps and valves enable an immediate allocation of temperatures, temperature differences and active actuators. Thus, adjusting and monitoring the solar system is quick and easy.

The **DeltaSol® BS** controller is available in 2 versions, depending on the demands. Details concerning the number of the relays as well as additional functions are shown in the technical data.

- 3 basic system layouts to choose from (**DeltaSol® BS/4** only)
- Drainback option
- Heat quantity measurement
- Tube collector function, thermal disinfection function (**DeltaSol® BS/4** only)
- Commissioning menu
- Unit °F and °C selectable
- HE pump control via adapter

RESOL DeltaSol® BS

Price bracket A | Article no. BS/2: **115 412 33**

Price bracket A | Article no. BS/4: **115 425 13**

RESOL DeltaSol® BS – Full kit

Incl. 3 Pt1000 sensors (1 x FKP6, 2 x FRP6)

Price bracket A | Article no. BS/2: **115 412 43**

Price bracket A | Article no. BS/4: **115 425 23**



RESOL DeltaSol® BS – Full kit incl. Smart Display SD3

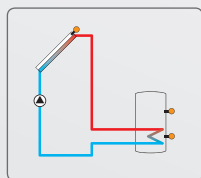
Incl. SD3 and 3 Pt1000 sensors (1 x FKP6, 2 x FRP6)

Price bracket A | Article no. BS/2: **115 412 63**

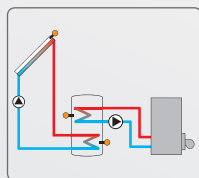
Price bracket A | Article no. BS/4: **115 425 43**

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

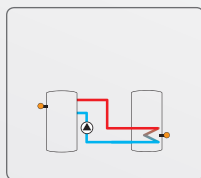
Examples



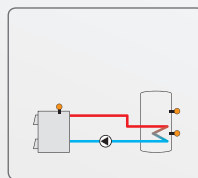
Solar system with 1 store



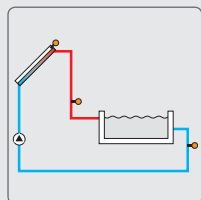
Solar system with 1 store and thermostatic afterheating



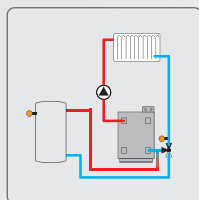
Heat exchange controller*



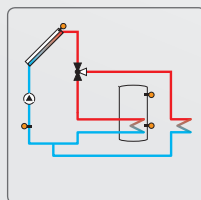
Solid fuel boiler*



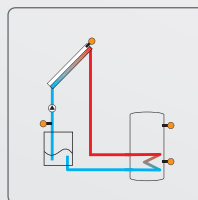
Solar system with swimming pool*



Heating circuit return preheating*



Solar system with 1 store and heat dump



Solar drainback system*

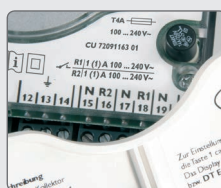
* Application examples



Illuminated System-Monitoring-Display



Safe and rapid connection



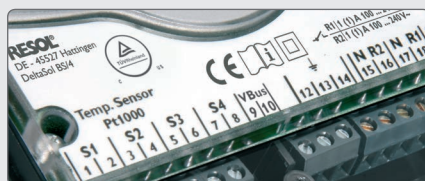
Uncomplicated adjustment and control



Easy mounting...



...operation...



...and service

Accessories



RESOL VBus®/USB interface adapter
PC connection kit for RESOL controllers with VBus® incl. RESOL ServiceCenter Software

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



RESOL VBus®/PWM interface adapter
VBus® converter to a PWM or 0-10V signal for the speed control of HE pumps

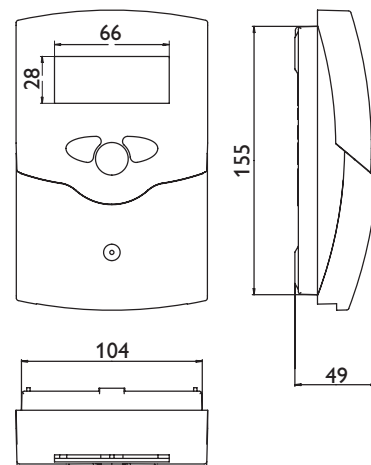
Price bracket B | Article no.: **180 008 60**



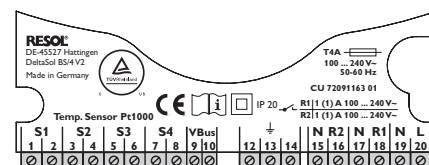
RESOL SP10
Sensor overvoltage protection

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

Technical data



Electrical connection



Inputs: 4 Pt1000 temperature sensors

Outputs: 1 semiconductor relay (BS/2),
2 semiconductor relays (BS/4)

Switching capacity:

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

Total switching capacity: 1 A 240V~ (BS/2),
2 A 240V~ (BS/4)

Power supply: 100 ... 240V~ (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 (BS/4), heat quantity measurement and pump speed control

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