



The simple  
solution for  
your DHW  
supply!

For electric immersion heaters!

The **DeltaSol® AL E** controller is especially designed for standard solar systems with an electric afterheating. It is equipped with two high-current relays to which an **electric immersion heater** of up to **3 kW** can be connected. The heater can be directly connected to the controller without the need of auxiliary relays.

Of course, the controller also offers all the vital functions for a standard solar system.

For data communication, the controller has a VBus®. Operation and function control are as easy as usual.

**RESOL DeltaSol® AL E**Price bracket A | Article no.: **115 321 03****RESOL DeltaSol® AL E – Full kit**

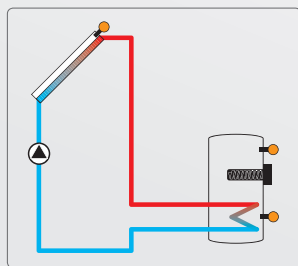
Incl. 3 Pt1000 sensors (1 x FKP6, 2 x FRP6)

Price bracket A | Article no.: **115 321 13**

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

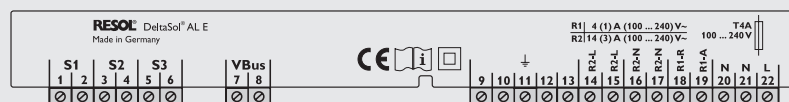
- Direct connection of an electric immersion heater up to 3 kW
- Time and temperature control of the electric afterheating
- System-Monitoring-Display
- Up to 3 Pt1000 or KTY temperature sensors
- Heat quantity measurement
- Function control
- Operating hours counter
- Intuitive operating concept
- Unit °F and °C selectable

## Example



Solar system with electric afterheating  
(application examples)

## Electrical connection



## 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®/LAN interface adapter**  
Network connection set for RESOL controllers with VBus® incl.  
RESOL ServiceCenter Software  
Price bracket B | Article no.: **180 008 80**

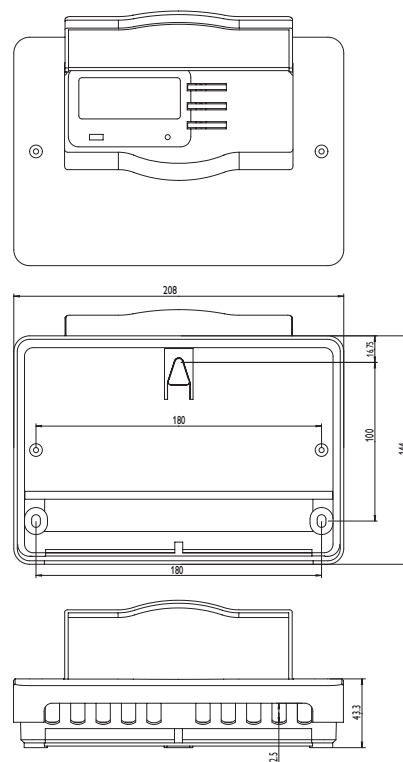


**RESOL AM1**  
Alarm module for signalling system failures  
Price bracket B | Article no.: **180 008 70**



**RESOL SP10**  
Sensor overvoltage protection  
Price bracket A | Article no.: **180 110 70**

## Technical data



**Inputs:** 3 Pt1000 or KTY temperature sensors

**Outputs:** 2 high-current relays (potential-free),  
1 electromechanical relay (changeover)

### Switching capacity:

4 (1) A 240 V~ (electromechanical relay)  
14 (3) A 240 V~ (high-current relay, potential-free)

**Total switching capacity:** 4 A 240 V~

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

**Supply connection:** type Y attachment

**Power consumption:** < 0.7 W (standby)

**Mode of operation:** type 1.B 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 and heat quantity measure-  
ment. The controller is additionally equipped with a  
time-controlled thermostat function

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

**Mounting:** wall mounting

**Indication/Display:** System-Monitoring-Display for  
visualisation, 16-segment display, 7-segment display,  
8 symbols for system states, background illumination  
and operating control lamp

**Operation:** 3 push buttons and 1 slide switch at the  
front of the housing

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

**Protection class:** II

**Ambient temperature:** 0 ... 40 °C

**Pollution degree:** 2

**Dimensions:** 144 x 208 x 43 mm