

DeltaSol® BX



Complex systems simply mastered!

cTUVus certified!

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

The **DeltaSol® BX** is equipped with **26 pre-programmed basic systems** for a broad range of 1- and 2-store systems. **Pre-defined functions** facilitate system parameterisation.

The integrated SD card slot enables an **easy datalogging** to an SD card as well as a quick and effortless transfer of logged system data to a PC. The extra-large display vouches for a **precise visualisation** of the system status.

- Extra large display
- 4 relay outputs and 5 Pt1000 temperature sensor inputs
- 2 inputs for analogue Grundfos Direct Sensors™
- 2 PWM outputs for the speed control of high-efficiency pumps
- 26 systems to choose from
- Drainback option
- Unit °F and °C selectable

RESOL DeltaSol® BX
Price bracket A | Article no.: **115 450 03**

RESOL DeltaSol® BX – Full kit
Incl. 5 Pt1000 sensors (2 x FKP6, 3 x FRP6)
Price bracket A | Article no.: **115 450 13**



RESOL DeltaSol® BX – Full kit incl. Smart Display SD3
Incl. SD3 and 5 Pt1000 sensors (2 x FKP6, 3 x FRP6)
Price bracket A | Article no.: **115 450 23**

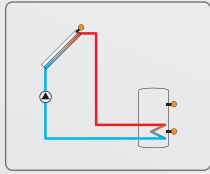
An SD card is included with the controller.

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

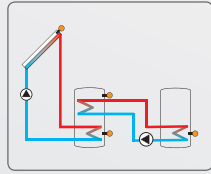
Manuals:



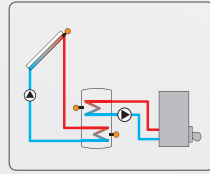
Examples



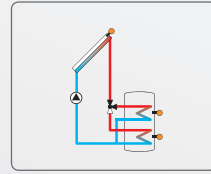
Solar system with 1 store



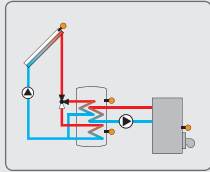
Solar system with 1 store and heat exchange controller



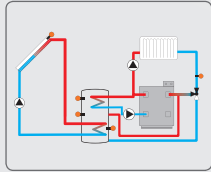
Solar system with 1 store and thermostatic afterheating



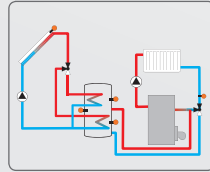
Solar system with store loading in layers



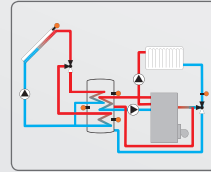
Solar system with store loading in layers and solid fuel boiler



Solar system with 1 store, heating circuit return preheating and thermostatic afterheating

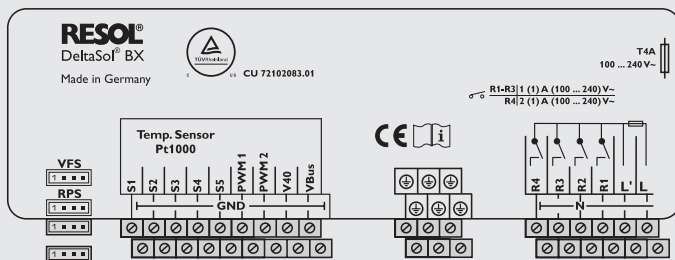


Solar system with multi-layer store and heating circuit return preheating



Solar system with multi-layer store and heating circuit return preheating and thermostatic afterheating

Electrical connection



Accessories



VFS/RPS Grundfos Direct Sensor™
Analogue sensors in different versions



RESOL DL2 Datalogger
Datalogger incl. RESOL Service CD, SD card and LAN cable, mains adapter and VBus® cable pre-connected
Price bracket A | Article no.: **180 007 10**

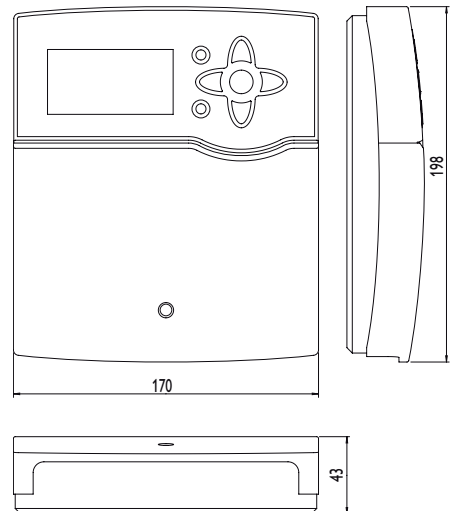


RESOL AM1
Alarm module for signalling system failures
Price bracket B | Article no.: **180 008 70**



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

Technical data



Inputs: 5 Pt1000 temperature sensors, 2 Grundfos Direct Sensors™, 1 V40 impulse input

Outputs: 3 semiconductor relays, 1 electromechanical relay and 2 PWM outputs

PWM frequency: 512 Hz

PWM voltage: 10,8V

Switching capacity:

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

2 (1) A 240 V~ (electromechanical relay)

Total switching capacity: 4 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.B.C.Y action

Rated impulse voltage: 2.5 kV

Data interface: RESOL VBus®, SD card slot

VBus® current supply: 35 mA

Functions: function control, operating hours counter for the solar pump, tube collector function, thermostat function, pump speed control, heat quantity measurement

Housing: plastic, PC-ABS and PMMA

Mounting: wall mounting, mounting into patch panels is possible

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

Operation: 7 push buttons at the front

Ingress protection: IP 20/EN 60529

Protection class: I

Ambient temperature: 0 ... 40 °C

Pollution degree: 2

Dimensions: 198 x 170 x 43 mm