DeltaSol® BX L

RESOL®
Control technology

SD incl.

System controller for 2- and 3-store systems

cTUVus certified!

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

The system controller **DeltaSol® BX L** has been especially developed as an economical solution for multi-store solar thermal systems. It features pre-programmed system layouts for a range of two- and three-store systems and special functions such as an extended priority and loading logic.

Of course, the **DeltaSol®** BX L is also equipped with a thermal disinfection function, tube collector-, thermostat-, heat dump function and many more.

With the integrated SD card slot, system data can easily be logged and transferred to a computer.

- 4 relay outputs and 5 sensor inputs
- Extra large display
- Thermal disinfection function
- Heat dump function
- Freely adjustable ΔT function
- Time-controlled thermostat function
- Unit °F and °C selectable

RESOL **DeltaSol®** BX L
Price bracket A | Article no.: **115 000 03**

RESOL **DeltaSol®** BX L – Full kit
Incl. 5 Pt1000 sensors (2 x FKP6, 3 x FRP6)
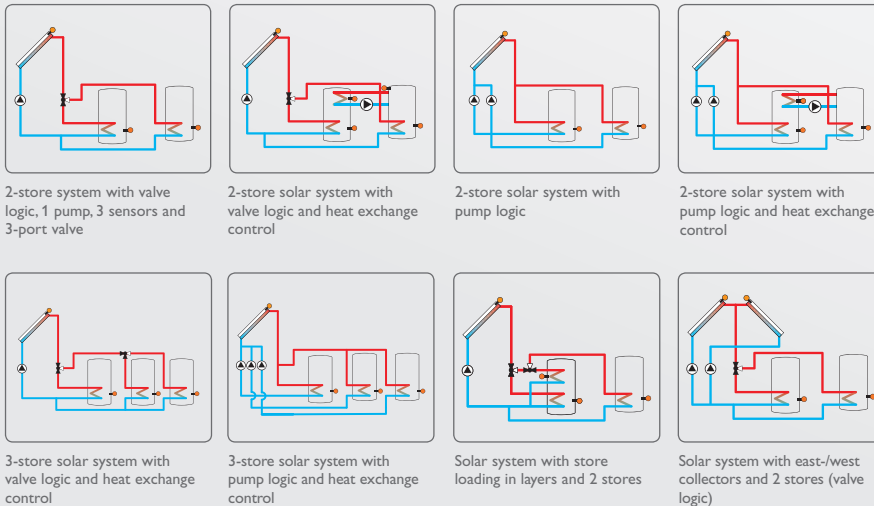Price bracket A | Article no.: **115 000 13**

RESOL **DeltaSol®** BX L – Full kit incl. Smart Display SD3
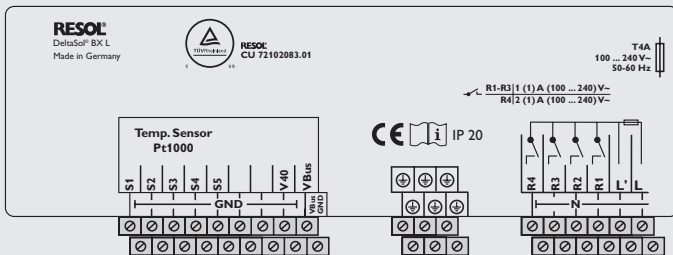Incl. SD3 and 5 Pt1000 sensors (2 x FKP6, 3 x FRP6)
Price bracket A | Article no.: **115 000 23**

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

Examples

2-store system with valve logic, 1 pump, 3 sensors and 3-port valve

2-store solar system with valve logic and heat exchange control

2-store solar system with pump logic

2-store solar system with pump logic and heat exchange control

3-store solar system with valve logic and heat exchange control

3-store solar system with pump logic and heat exchange control

Solar system with store loading in layers and 2 stores

Solar system with east-/west collectors and 2 stores (valve logic)

Electrical connection

Accessories

RESOL V40
V40 flowmeter in different versions

RESOL DL2 Datalogger
Datalogger incl. RESOL ServiceCenter Software full version ready to plug in with mains adapter and VBus®
Price bracket A | Article no.: **180 007 10**

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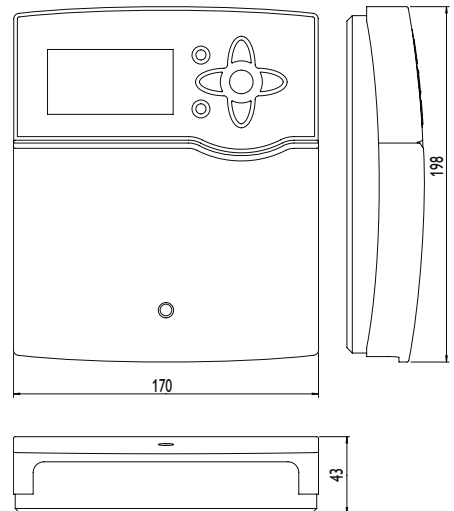Alarm module for signalling system failures
Price bracket B | Article no.: **180 008 70**

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

Technical data

Inputs: 5 inputs for Pt1000 temperature sensors, 1 V40 impulse input

Outputs:
3 semiconductor relays, 1 electromechanical relay

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: ΔT control, pump speed control, heat quantity measurement, operating hours counter for the solar pump, tube collector function, thermostat function, store loading in layers, priority logic, heat dump function, thermal disinfection function, function control

Housing: plastic, PC-ABS and PMMA

Mounting: wall mounting, mounting into patch panels is possible

Indication/Display: System-Monitoring-Display for system visualisation, 16-segment display, 7-segment display, 9 symbols, control lamp (directional pad) and background illumination

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