



## DeltaSol® BX/BX L

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 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 2- and 3-store systems and special functions such as an extended priority and loading logic.

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

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



cTUVus  
certified!\*



RCM compliant according  
to Australian standards\*\*



## Complex systems simply mastered!

- 4 relay outputs and 5 Pt1000 temperature sensor inputs
- 2 inputs for analogue Grundfos Direct Sensors™ (DeltaSol® BX)
- 2 PWM outputs for the speed control of high-efficiency pumps
- 26 basic systems to choose from (DeltaSol® BX),  
9 basic systems (DeltaSol® BX L)
- For 2- and 3-store systems (DeltaSol® BX L)
- Drainback option (DeltaSol® BX)
- Thermal disinfection function, heat dump function
- Unit °C and °F 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 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)

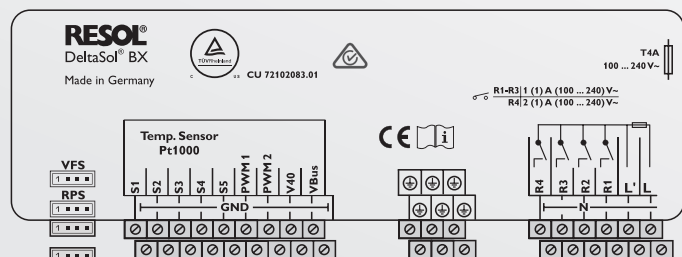
Price bracket A | Article no.: **115 000 13**

An SD card is included with the controller.

\* The cTUVus certification confirms that the controller is certified to UL 60730-1:2009 and CSA B60730.1:2002.

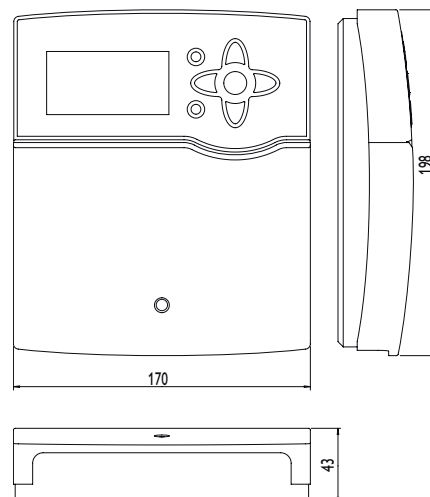
\*\* AS/NZS 60335.1:2011+A1+A2+A3+A4

## ELECTRICAL CONNECTION



Example DeltaSol® BX

## TECHNICAL DATA



**Inputs:** 5 Pt1000 temperature sensors, 1 V40 impulse input, 2 Grundfos Direct Sensors™ (analogue; DeltaSol® BX only)

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

**PWM frequency:** 512 Hz

**PWM voltage:** 10.8 V

**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

**Standby:** 0.58 W (DeltaSol® BX), 0.58 W (DeltaSol® BX L)

**Temperature controls class:** I

**Energy efficiency contribution:** 1 %

**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, 8 symbols, operating control LED (directional pad) and background illumination

**Operation:** 7 push buttons

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

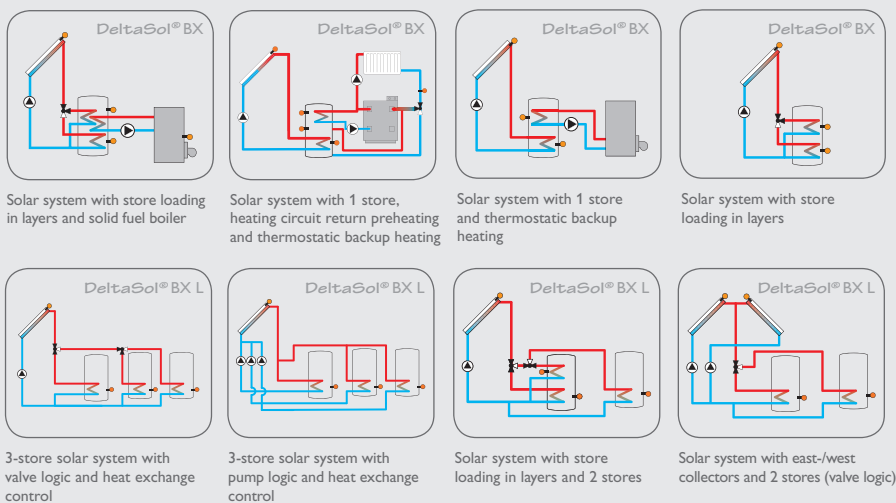
**Protection class:** I

**Ambient temperature:** 0 ... 40 °C

**Pollution degree:** 2

**Dimensions:** 198 x 170 x 43 mm

## EXAMPLES



## ACCESSORIES

### RESOL DL2 Datalogger



For visualisation via VBus.net, incl. SD card and network cable, mains adapter and VBus® cable pre-connected

Price bracket A | Article no.: **180 007 10**

### VFS/RPS Grundfos Direct Sensor™



Analogue sensors in different versions (DeltaSol® BX only)

### RESOL SP10



Sensor overvoltage protection

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

### RESOL AM1



Alarm module for signalling system failures

Price bracket B | Article no.: **180 008 70**