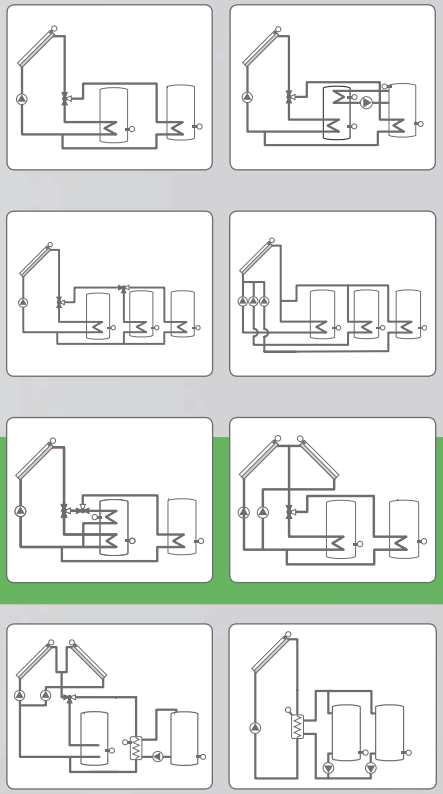
RESOL®

Solar thermal control technology

System controller DeltaSol® BX Plus

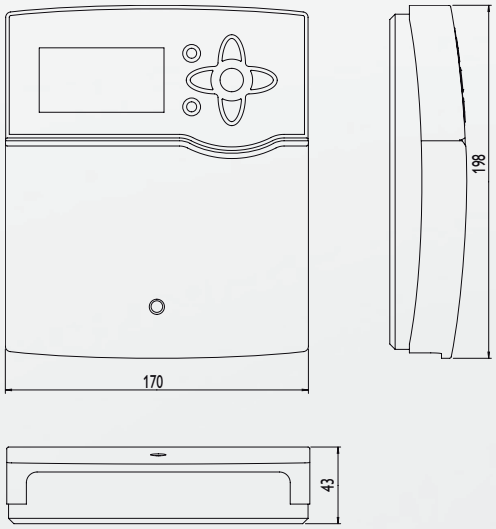
More possibilities!



- Data logging, storing and firmware updates via SD memory card
- Pre-programmed optional functions
- Up to 2 extension modules via RESOL VBus® connectable (21 sensors and 15 relays in total)
- 2 inputs for digital Grundfos Direct Sensors™
- 8 sensor inputs and 5 relay outputs
- Extra large graphic display
- 2 PWM outputs for speed control of high-efficiency pumps
- Drainback option
- Time-controlled thermostat function
- Thermal disinfection function
- RESOL VBus®

www.resol.com

Technical data



Inputs: 8 (9) inputs for Pt1000, Pt500 or KTY temperature sensors, 1 impulse input V40, inputs for 2 digital Grundfos Direct Sensors™, 1 input for a CS10 irradiation sensor

Outputs:
4 semiconductor relays, 1 potential-free relay, 2 PWM outputs

Switching capacity:
1 (1) A 240 V~ (semiconductor relay)
4 (1) A 240 V~ (potential-free relay)
4 (1) A 24 V⎓ (potential-free 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: 60 mA

Functions: System controller for solar and heating systems. Functions such as: 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, drainback option, booster function, heat dump function, thermal disinfection function, PWM pump control, function control.

Housing: plastic, PC-ABS and PMMA

Mounting: wall mounting, also suitable for mounting into patch panels

Indication / Display: Full graphic display, control lamp (directional pad) and background illumination

Operation: 7 push buttons at the front of the housing

Ingress protection: IP 20 / EN 60529

Protection class: I

Ambient temperature: 0 ... 40 °C

Pollution degree: 2

Dimensions: 198 x 170 x 43 mm

Accessories

EM extension module

The EM extension module provides 5 additional relay outputs and 6 additional sensor inputs. Up to 2 extension modules can be connected to the *DeltaSol*® BX Plus via the VBus®.

RESOL EM Article no.: **145 440 80**

Datalogger DL3

Be it solar thermal, heating or DHW heat exchange controllers – with the DL3, you can easily and conveniently log system data of up to 6 controllers. Get a comprehensive overview of all controllers connected with the large full graphic display. Transfer data with an SD memory card or use the LAN interface to view and process data on your PC.

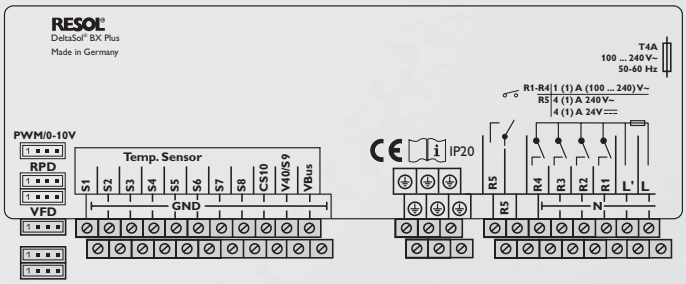
RESOL DL3 Article no.: **180 009 90**

DeltaSol® BX Plus
System controller for 2- and 3-store solar systems
Price bracket A **Article no.: 115 001 33**

DeltaSol® BX Plus – full kit
System controller for 2- and 3-store solar systems incl. 5 Pt1000 sensors (2 x FKP6, 3 x FRP6)
Price bracket A **Article no.: 115 001 43**

DeltaSol® BX Plus – full kit incl. SD3
System controller for 2- and 3-store solar systems incl. SD3 and 5 Pt1000 sensors (2 x FKP6, 3 x FRP6)
Price bracket A **Article no.: 115 001 53**

Electrical connection



Do you have any further questions? We have the answers:

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