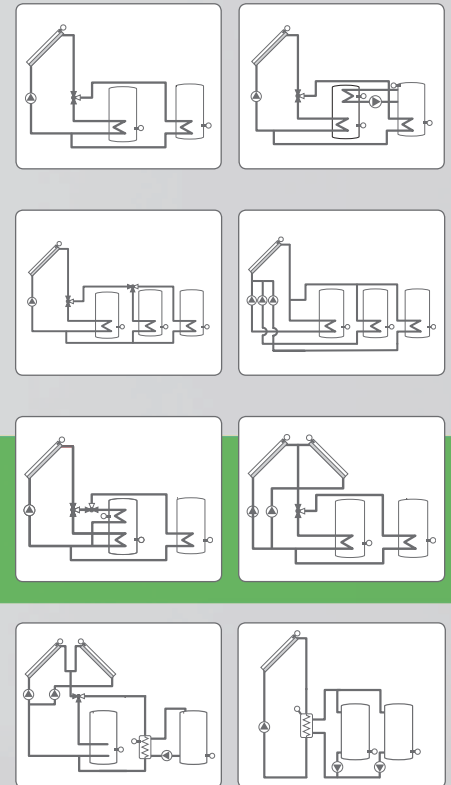
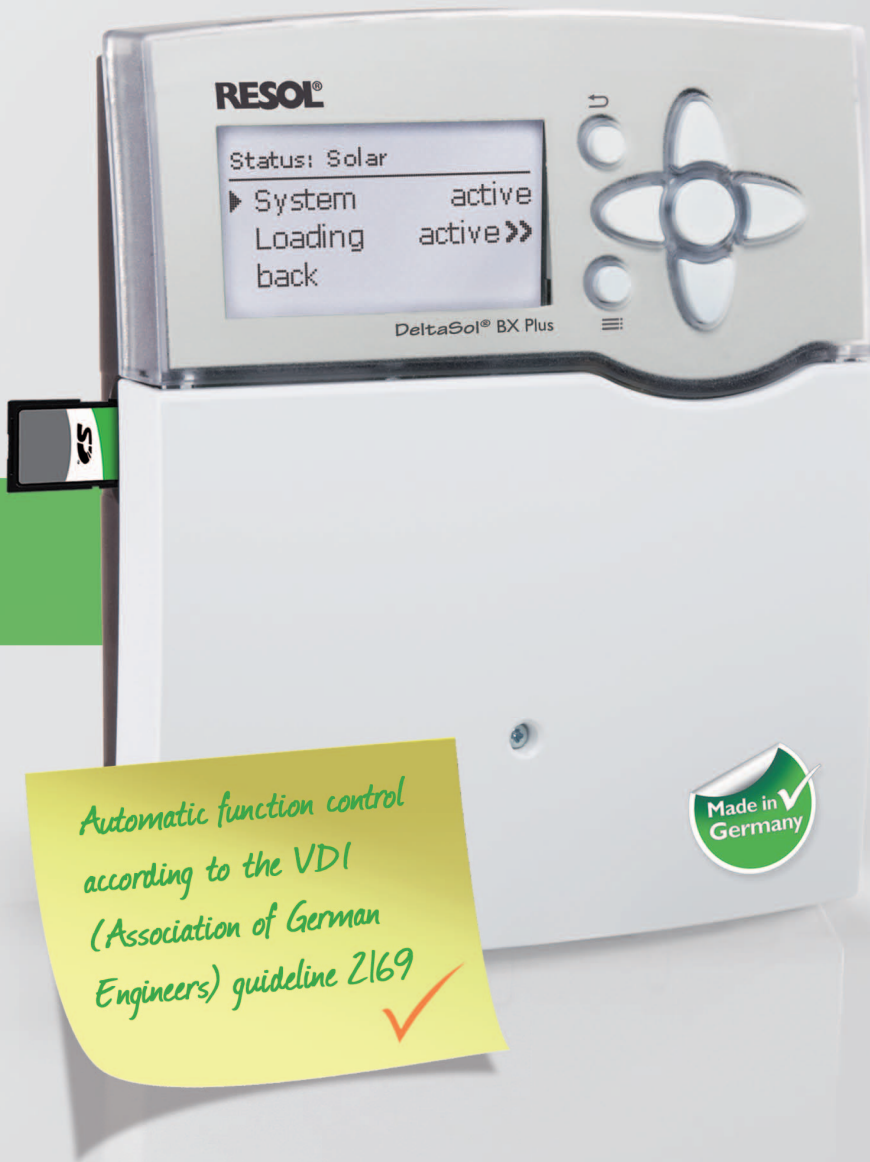


## System controller DeltaSol® BX Plus

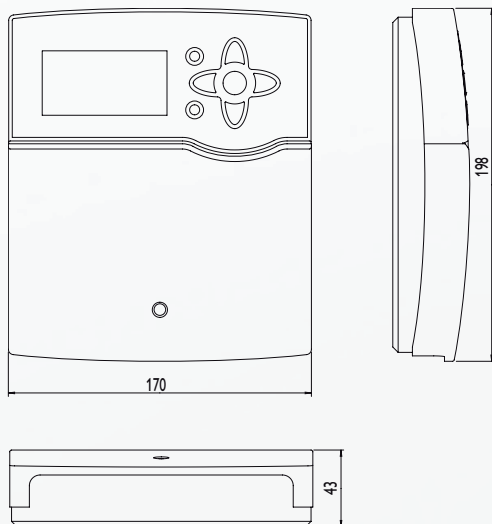
More possibilities!



*Automatic function control according to the VDI (Association of German Engineers) guideline 2169*

- + 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®

## Technical data



## 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**



### DL3 Datalogger

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 Datalogger DL3**

Article no.: **180 009 90**

### DeltaSol® BX Plus

System controller for solar and heating systems

Price bracket A **Article no.: 115 001 33**

### DeltaSol® BX Plus – full kit

System controller for solar and heating 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 solar and heating systems incl. SD3 and 5 Pt1000 sensors (2 x FKP6, 3 x FRP6)

Price bracket A **Article no.: 115 001 53**

**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:  $\Delta T$  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

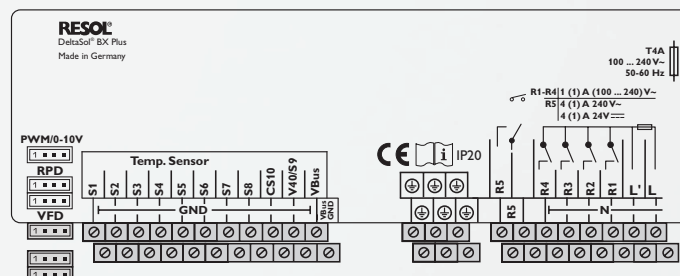
**Protection class:** I

**Ambient temperature:** 0 ... 40 °C

**Pollution degree:** 2

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

## Electrical connection



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

**RESOL – Elektronische Regelungen GmbH**

Heiskampstraße 10 • 45527 Hattingen • Germany

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