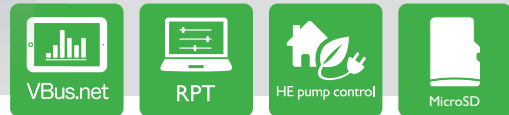




rosenthal design



DeltaSol® SLT

The *DeltaSol®* SLT effortlessly controls even complex systems and enables adaptation to the individual system requirements. Numerous pre-programmed optional functions such as thermal disinfection or zone loading can be combined and parameterised. It is also possible to directly choose from 27 pre-programmed basic systems.

The operation via 2 main buttons and 1 adjustment dial, the Light-wheel®, follows the well-known operating concept.

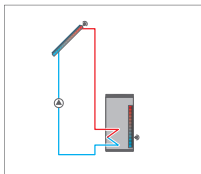
The manual mode and the holiday function can be activated by pressing a single button.

Freely configurable compact-class controller

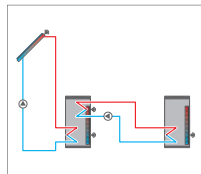
- 4 relay outputs (incl. 1 potential-free extra-low voltage relay)
- 4 inputs for Pt1000, Pt500 or KTY temperature sensors
- Input for 1 analogue Grundfos Direct Sensor™
- 1 V40 impulse input (also usable as a Pt1000, Pt500 or KTY temperature sensor input)
- 2 PWM outputs for the speed control of high-efficiency pumps
- Numerous pre-programmed optional functions
- 27 basic system layouts to choose from
- Automatic function control according to VDI 2169
- MicroSD card slot, mini-USB port

Article no.	Article	Price bracket
115 005 33	DeltaSol® SLT – System controller	A
115 004 93	DeltaSol® SLT – Full kit » incl. 4 Pt1000 sensors (2 x FKP6, 2 x FRP6)	A

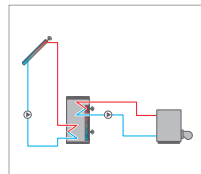
EXAMPLES



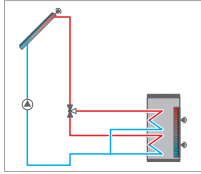
Solar system with 1 store



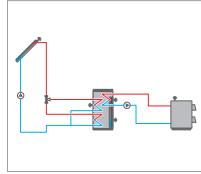
Solar system with 1 store and heat exchange control



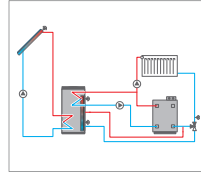
Solar system with 1 store and thermostatic backup heating



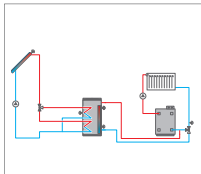
Solar system with store loading in layers



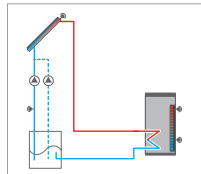
Solar system with store loading in layers and solid fuel boiler



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

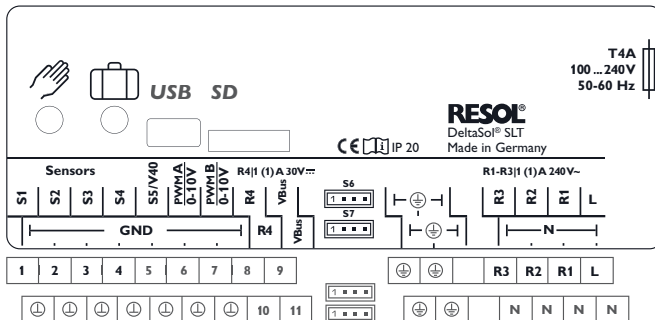


Solar system with store loading in layers and heating circuit return preheating



Solar drainback system with booster pump (Application example)

ELECTRICAL CONNECTION



Sensor 6: Grundfos Direct Sensor™, Sensor 7: frequency input

TECHNICAL DATA

Inputs: 4 inputs for Pt1000, Pt500 or KTY temperature sensors, 1 analogue Grundfos Direct Sensor™, 1 frequency input, 1 V40 impulse input (also usable as a Pt1000, Pt500 or KTY temperature sensor input)

Outputs: 3 semiconductor relays, 1 potential-free extra-low voltage relay, 2 PWM outputs (switchable to 0-10 V)

PWM frequency: 512 Hz

PWM voltage: 10.8 V

Switching capacity:

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

1 (1) A 30 V== (potential-free relay)

Total switching capacity: 3 A 240 V~

Power supply: 100–240 V~ (50–60 Hz)

Supply connection: type X attachment

Standby: 0.68 W

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: RESOLVBus®, MicroSD card slot, mini-USB port

VBus® current supply: 60 mA

Functions: operating hours counter, tube collector function, zone loading, heat exchange, speed control, heat quantity measurement, adjustable system parameters and optional functions (menu-driven), balance and diagnostics function, function control according to VDI 2169

Housing: plastic, PC-ABS and PMMA

Mounting: wall mounting, mounting into patch panels is possible

Indication/Display: full graphic display, operating control LED (Lightwheel®)

Operation: 4 buttons and 1 adjustment dial (Lightwheel®)

Ingress protection: IP 20/EN 60529

Protection class: I

Ambient temperature: 0 ... 40 °C

Degree of pollution: 2

Dimensions: 110 x 166 x 47 mm

ACCESSORIES

DL2 Datalogger



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

DL3 Datalogger



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

VFS/RPS Grundfos Direct Sensor™



Analogue sensors in different versions

SP10



Sensor overvoltage protection

MicroSD card



MicroSD card, 4 GB memory capacity, incl. adapter

Calorimeter extension kits



Calorimeter extension kits (consisting of 2 x FRP30, 1 x V40 flowmeter)