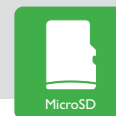




rosenthal design



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.

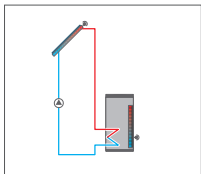
The manual mode and the holiday function can be activated by pressing a single button.

Freely configurable compact-class controller!

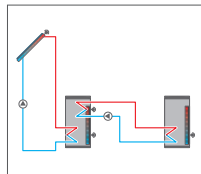
- 4 relay outputs (incl. 1 potential-free extra-low voltage relay)
- 4 inputs for Pt1000, Pt500 or KTY temperature sensors
- 1 extension module via VBus® (11 sensors and 9 relays in total)
- Input for 1 analogue Grundfos Direct Sensor™ and 1 frequency input
- 1 V40 impulse input (also usable as a Pt1000, 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
- Heat pump demand (optional)

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

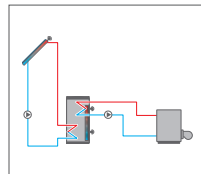
EXAMPLES



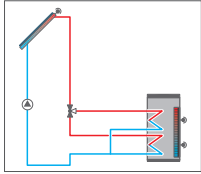
Solar system with 1 store



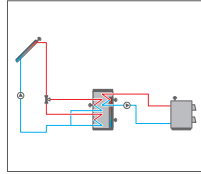
Solar system with 1 store and heat exchange control



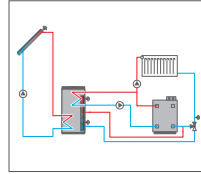
Solar system with 1 store and thermostatic backup heating



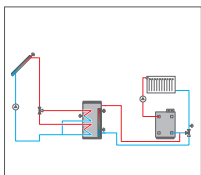
Solar system with store loading in layers



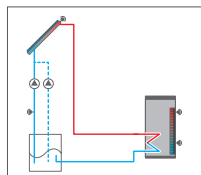
Solar system with store loading in layers and solid fuel boiler



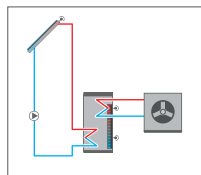
Solar system with 1 store, heating circuit return preheating and thermostatic backup heating



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



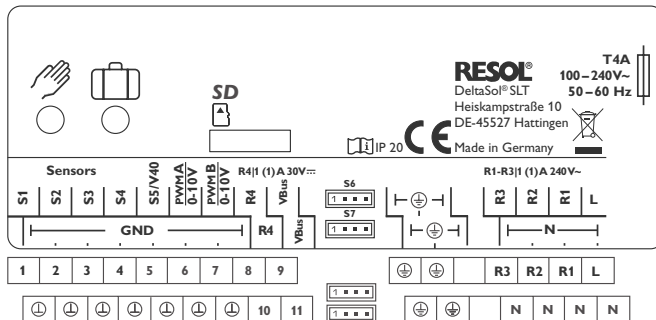
Solar drainback system with booster pump *



Solar system with 1 store and backup heating with heat pump

* Abstracted representation on the display

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: VBus®, MicroSD card slot,

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

Relative humidity: 10 ... 90 %

Fuse: T4A

Maximum altitude: 2000 m above MSL

Dimensions: 110 x 166 x 47 mm

ACCESSORIES

DL2 Plus Datalogger



For remote access to 2 controllers, integrated data logging and connection to a BMS

KM2 Communication module



For remote access to the controller via VBus.net

VFS/RPS Grundfos Direct Sensor™



Analogue sensors in different versions

SP10



Sensor overvoltage protection

EM Extension module



Sensor and relay extension module with 5 outputs and 6 inputs

Calorimeter extension kits



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