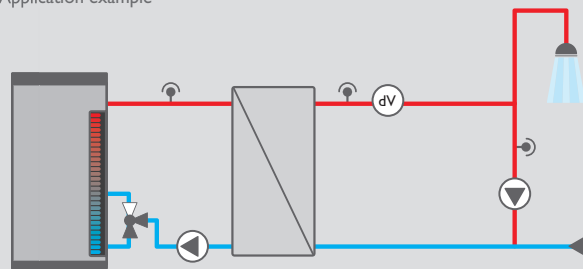




RESOL offers a range of solutions for the control of DHW exchange modules. The controller platform is equipped with an enhanced and faster control algorithm and enables the precise and energy-efficient control of the draw-off temperature.

In order to achieve the best possible control quality, our laboratories run a number of dimensioning tests and check measurements. Classification of control quality is conducted on the basis of research results of the Rapperswil Institute for Solar Technology and the Institute for Solar Energy Research in Hamelin (ISFH).

Application example



DeltaSol Fresh[®]

DHW exchange controller platform

- Constantly high control quality by adaptation to the end user system by means of self-learning neural networks
- Customised control for systems with or without circulation
- Flexible circulation function for different user profiles, also available with thermal disinfection
- Reliable DHW heating even in the case of a fault condition
- Control of PWM and LIN bus pumps
- Adaptable to many commonly used flow rate sensors
- Commissioning menu for easy configuration
- Clear system graphic in the status menu
- Cascades of up to 6 DHW exchange controllers or stations

Technical data

Inputs: 7 inputs for Pt1000 temperature sensors, 1 flow rate sensor:

VBus[®]3 (e.g. digital Grundfos Direct Sensor[™])
or 0-5V interface
or 0-500 Hz interface
or impulse input

Outputs: 3 semiconductor relays and 3 PWM outputs (with LIN bus 1 PWM output), 1 potential-free extra-low voltage relay

Switching capacity: 1 (1) A 240V~ (semiconductor relay)
1 (1) A 30V== (potential-free relay)

Total switching capacity: 4 A 240V~

Power supply: 100 ... 240V~ (50 ... 60 Hz)

Supply connection: Y

Mode of operation: type 1.B.C.Y

Rated impulse voltage: 2.5 kV

Data interface: RESOL VBus[®], cascade bus, LIN bus interface, MicroSD card slot

VBus[®] current supply: 60 mA

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, 1 adjustment dial (Lightwheel[®])

Ingress protection: IP 20/DIN EN 60529

Protection class: I

Ambient temperature: 0 ... 40 °C

Pollution degree: 2

Dimensions: 110 x 166 x 47 mm

RESOL develops and produces the right controller to suit your DHW exchange module, please contact us!

www.resol.com