Discover our product portfolio
all around heating and solar thermal control technology

www.resol.com
SOLAR CONTROLLERS

The RESOL product range includes a range of high-class solar thermal and heating controllers as well as a broad variety of accessories for the efficient use of energy.

All RESOL products are future-oriented, sophisticated and unique in their design. Just like our ideal: nature!

RESOL controllers measure the temperatures of collectors, stores and other heat generators.

By evaluating these measurements, the hot water distribution is efficiently controlled via pumps and valves.

Customised and OEM versions are available on request. Please contact our sales team.

DeltaSol® MX
- 14 relay outputs & 12 sensor inputs
- Data logging, storing and firmware updates via SD memory card
- Up to 5 extension modules via VBus® (45 sensors and 39 relays in total)
- Speed control of high-efficiency pumps

DeltaSol® BX
- 4 relay outputs & 7 sensor inputs
- Data logging onto SD memory card
- 26 systems to choose from
- Drainback option
- Speed control of high-efficiency pumps

DeltaSol® BX Plus
- 5 relay outputs & 8 sensor inputs
- Data logging, storing and firmware updates via SD memory card
- Automatic function control according to the VDI directive 2169
- Speed control of high-efficiency pumps

RESOL RPT Parameterisation Tool
The RPT Parameterisation Tool is a software that enables the remote parameterisation of RESOL controllers.

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Our products stimulate the market with in-house innovation. Our development team understands the market’s need to produce flexible, practical products.

With each RESOL device you acquire a quality product along with first-class service and personal technical support.

On January 1, 2013, the Ecodesign Directive (ErP) of the EU has come into force. From August 1, 2015 on, solar thermal pumps must have an EEI (Energy Efficiency Index) of $< 0.23$.

With RESOL you are well-prepared!

**DeltaSol® CS series**
- Speed control of up to 2 high-efficiency pumps
- 1 input for a VFD Grundfos Direct Sensor™
- Up to 10 basic system layouts to choose from
- Unit °C and °F selectable

**DeltaSol® BS series**
- Up to 4 Pt1000 temperature sensors
- Drainback option
- Energy-saving switching-mode power supply
- Commissioning in just a few steps
- Available in 3 versions

**DeltaSol® AL E HE**
- Direct connection of an electric immersion heater up to 3 kW
- Time and temperature control of the electric afterheating
- PWM output for the speed control of a high-efficiency pump
THE COMPACT CLASS

Our DeltaSol® SL controller series scores with its slim design and extensive equipment. The controllers are operated via 2 main buttons and 1 adjustment dial, the Lightwheel®.

The multicoloured LED integrated in the Lightwheel® offers many possibilities to signal different system states.

The MicroSD card slot and the 2 microbuttons for quick access to the manual mode and the holiday function are located underneath the slidable housing cover, the SLider.

**DeltaSol® SLL**
- 3 relay outputs & 4 sensor inputs
- 10 basic system layouts to choose from
- Speed control of high-efficiency pumps
- Automatic function control according to the VDI directive 2169

**DeltaSol® SL**
- 4 relay outputs & 4 sensor inputs
- 27 basic system layouts with up to 3 hydraulic variants each
- Speed control of high-efficiency pumps
- Automatic function control according to the VDI directive 2169

**DeltaSol® SLT**
- 4 relay outputs & 4 sensor inputs
- Numerous pre-programmed optional functions
- MicroSD card slot, LAN interface (optional), mini-USB port
- Speed control of high-efficiency pumps
- Automatic function control according to the VDI directive 2169
RESOL heating controllers offer solutions for different kinds of space and water heating systems, from small water heating stoves up to large multivalent systems.

Conventional heating takes many different forms today – next to the well-known oil and gas furnaces, more and more solid fuel boilers of different kinds can be found, often combined with other heat sources.
RESOL controllers are also among the main components of the RESOL pump stations which provide all the vital electronic and hydraulic components of a solar thermal system in one pre-assembled unit.

From August 1, 2015 on, solar thermal pumps must have an EEI (Energy Efficiency Index) of < 0.23. With RESOL HE pump stations you are well-prepared!

**FlowSol® S / S HE**
- Available with a choice of different pumps and controllers
- Pre-assembled single-line pump station
- Safety assembly with connection for the diaphragm-type expansion vessel, safety valve and pressure gauge
- Fill and drain valves

**FlowSol® B / B HE**
- Available with a choice of different pumps and controllers
- Pre-assembled twin-line pump station
- Innovative hinged controller panel for quick and easy access to the hydraulic components
- Safety assembly with connection for the diaphragm-type expansion vessel, safety valve and pressure gauge

**SBS 2000**
- Filling and flushing station for heat transfer fluids and cleaning fluids
- Extra large opening
- Easy-access connection
- Powerful pump
VBUS® ACCESSORIES

The RESOL VBus® enables the communication between controllers and additional modules. In our broad range of accessories, system visualisation plays a major role.

In order to meet the need to make the solar heat gained visible, RESOL offers a number of different display units.

DL2 Datalogger
- Visualisation of system states
- Yield monitoring
- Export function for further data processing in spreadsheet programs
- Internet access to the system data via VBus.net

DL3 Datalogger
- BACnet functionality for BACnet-conform transmission and reception of data
- Data logging and parameterisation of up to 6 VBus® master devices
- Temperature measurements and logging via integrated sensor-/impulse inputs possible
- Internet access to the system data via VBus.net

KM1 Communication module
- Internet access to the system data via VBus.net
- Comfortable system parameterisation via the RESOL ServiceCenter software or the RESOL RPT parameterisation tool
- Quick error diagnostics
- Integrated LAN interface for network connection

**VBus.net**
The Internet portal for easy and secure access to your system data – www.vbus.net
The PSW Pump signal converters are used for connecting speed-controlled high-efficiency pumps to a controller without a corresponding output. Thus, when replacing the pump, speed control can be enabled without replacing the controller.

The HE-Check takes over where conventional tools fail – at the question whether a malfunction is caused by a pump fault or the controller signal. With the HE-Check, the function of the pump and the signals of the controller can be checked quickly and easily.

**PSW Pump signal converter series**
- Ready to plug in
- Harmonised system
- Available in DN15 and DN25
- Choice of different pumps

**HE-Check**
- Generates and measures PWM and 0-10 V signals
- Intuitive operating concept
- Ergonomic design
- Easy fault diagnostics
- Including different measuring and signal cables