SOLAR THERMAL
HEATING
BUILDING MANAGEMENT
ACCESSORIES
VISUALIZATION
MADE IN GERMANY

Discover our product portfolio!

All around heating and solar thermal control technology

RESOL

DeltaSol® BX

COL
169.3 °F

TÜVRheinland
c   us

SOLAR & SYSTEM CONTROLLERS

DeltaSol® AL

Simple solar controller with extra convenience

- Up to 3 Pt1000 temperature sensors
- Energy metering
- Function control
- Operating hours counter
- Intuitive operating concept
- Unit °C and °F selectable

DeltaSol® BS series

User-friendly and versatile

- Up to 4 Pt1000 temperature sensors
- 3 system layouts to choose from
- Optional pump speed control, operating hours counter, thermostat function & drainback option
- Available in 2 versions
- Unit °C and °F selectable

DeltaSol® BS Plus

The versatile controller for standard solar and heating systems

- 10 basic system layouts to choose from
- Energy metering
- Evacuated tube collector function, thermal disinfection function, drainback option
- Commissioning menu
- Unit °C and °F selectable

Why RESOL solar & system controllers?

- Almost 40 years of experience in the solar thermal and control technology field
- From simple differential temperature controllers up to controllers for solar thermal and combined systems
- Many different sensor inputs: Pt and semiconductor temperature sensors, Grundfos Direct Sensors™, impulse inputs, etc.
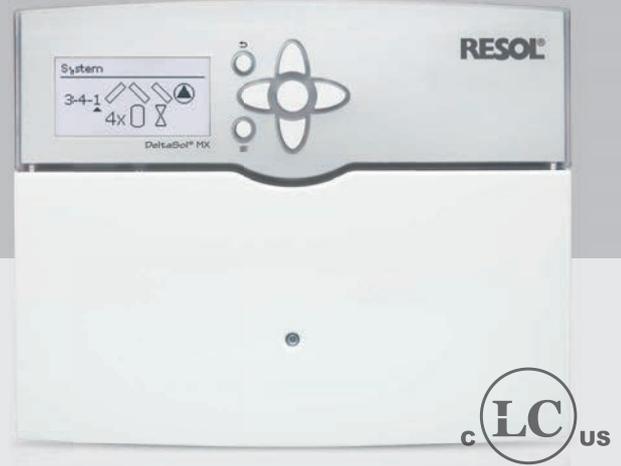- RESOL apps for visualization

cTUVus certified!

The cTUVus certification confirms that the controller meets the demands of the UL 60730-1:2009 and CSA B60730.1:2002 standards.

SOLAR & SYSTEM CONTROLLERS

DeltaSol® BX

Complex systems simply mastered

- 26 basic systems to choose from
- 4 relay outputs and 5 Pt1000 temperature sensor inputs
- 2 inputs for analogue Grundfos Direct Sensors™
- Thermal disinfection function, heat dissipation function, drainback option
- Unit °C and °F selectable

DeltaSol® BX L

Solar controller for 2- and 3-tank systems

- 9 basic systems to choose from
- 4 relay outputs and 5 Pt1000 temperature sensor inputs
- Thermal disinfection function, heat dissipation function, drainback option
- Time-controlled thermostat function
- Unit °C and °F selectable

DeltaSol® MX

Our most versatile system controller for complex solar and heating systems

- Up to 5 extension modules via VBus® (45 sensors and 39 relays in total)
- Cooling over the heating circuit with condensation detection by means of a dew point switch
- Basic solar systems also for 3 collector fields

Why RESOL solar & system controllers?

- Different energy-saving and efficiency-boosting functions
- Many pre-programmed optional function from bypass to zone loading

- Data logging, storing and firmware updates via SD memory card (BX, MX only)
- Remote parameterization with RPT
- RESOL VBus.net Internet portal

Certified for the North American market!

The cLCus certification confirms that the controller is certified to UL 60730-2-9 and CSA - E60730-2-9-01.

VISUALIZATION

RESOL controller   DL2/DL3 Datalogger or KM1 Communication module   Router

VBus.net   **RPT** Parameterisation tool   **VBus®Apps**

Why RESOL visualization?

- Controllers, Dataloggers and visualization solutions from one and the same developer team
- Software solutions for remote parameterization, data evaluation and visualization

- Apps for different purposes
- VBus.net – the Internet portal for your system
- Configure your controllers from your PC, free of charge, with RPT

- The best solution for each computer and all mobile devices
- OEM versions of all solutions possible with your design

VBus®Touch apps

VBus®Touch HC   VBus®Touch FK

VBus®Touch HC

Adjust your heating via app

Use mobile devices to adjust your RESOL heating controller.

VBus®Touch

Keep an eye on your solar system

View detailed temperature charts, generate yield balances and monitor the status of your system.
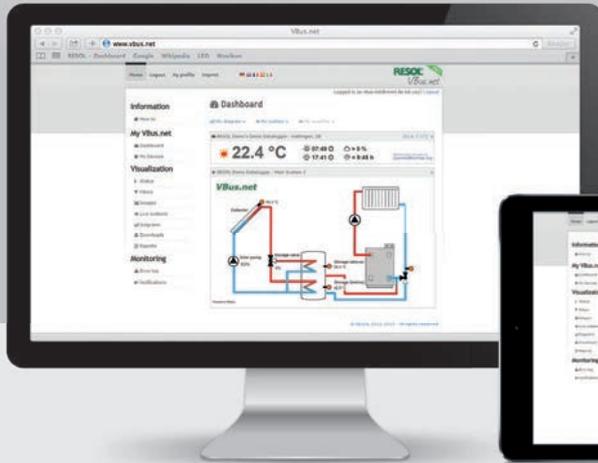
VBus®Touch FK

Your mobile remote display

Turn your mobile devices into a remote data display for your RESOL controller with a solid fuel boiler function.

VBus®Touch Trainer

Your controller as an app

Ideal for all who wish to train – themselves or others – in operating RESOL controllers.

VISUALIZATION

Freely configurable Dashboard
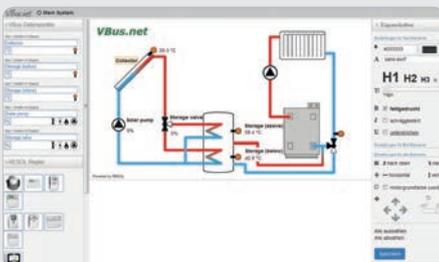– your live system or diagram incl.
weather data at a glance.

VBus.net

The Internet portal for easy and secure access to your system data – www.vbus.net.
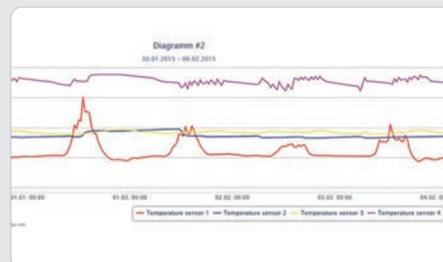
With VBus.net, you can display live data of your system. Furthermore, you can create and download diagrams for defined periods of time from the data stored.
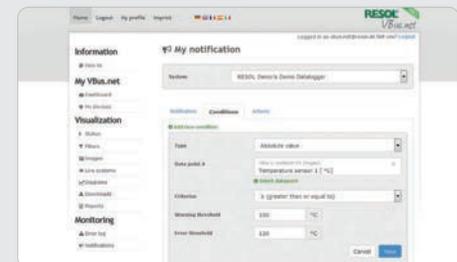
Why VBus.net?

- Suitable for all RESOL controllers connected to a Datalogger

- Basic version free of charge

- For every operating system and all mobile devices worldwide – no software installation required

Live system editor with extended format
and layout functions

Customize and design
your own diagrams

Automatic e-mail notifications
and reports

PUMP STATIONS & ACCESSORIES

FlowSol® S

Single-line pump station

- Safety assembly with connection for the expansion vessel, safety valve and pressure gauge
- Fill and drain valves

FlowSol® B

Twin-line pump station

- Innovative hinged controller panel for easy access to the hydronic components
- Safety assembly with connection for the expansion vessel, safety valve and pressure gauge

SBS 2000

Filling and flushing station for heat transfer fluids and cleaning fluids

- Extra-large filling opening
- Safety plug and switch at an ergonomic height
- Available with US plugs

Why RESOL pump stations?

- As a control technology specialist, we develop stations and controllers in perfect sync – for an optimum outcome
- Available with different pumps and controllers
- All units necessary for the operation of a solar system combined in one pre-assembled station
- Broad range of accessories – perfectly matched with station and controller
- Award-winning functionality and design
- All pump stations available with NPT threads and 115 V pumps
- OEM versions and customized housing prints possible even for small-batch series

Customized hardware design
– the optimum basis for your product

Our standard softwares can be extended
to suit your individual wishes

Controls after each individual
manufacturing step warrant a 100 %
quality assurance

All products are tested in our in-house
EMC and hydronics laboratories

Pre-connected sensors and cables
to suit your requirements

Adaption to your Corporate design
and target markets