



## RESOL press release

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### RESOL at the Solar Power International Show 2010

German manufacturer RESOL has more than thirty years experience in creating innovative solar thermal control technologies.

Several new products await the visitors of RESOL's booth at this year's **Solar Power International Show in Los Angeles** (October 12-14th, 2010). Three new RESOL controllers, a new iPad application and a newly developed calorimeter will be expanding the RESOL product portfolio.

The successful DeltaSol<sup>®</sup> solar controller family has gained three new controllers: the DeltaSol<sup>®</sup> AL, DeltaSol<sup>®</sup> BS Plus and DeltaSol<sup>®</sup> BX. All three controllers are cTUVus certified and equipped with a RESOL VBus<sup>®</sup> data interface, which allows for controller connections to additional modules, such as remote displays and data loggers. As with all RESOL controllers, a large system-monitoring-display and intuitive interface ensure user-friendly controller operation.

The new **DeltaSol<sup>®</sup> AL** offers high performance at an attractive price. The temperature differential controller includes all vital functions required in a standard solar thermal system such as heat quantity measurements, a solar operating hours counter and optional °F or °C read-outs.

The updated **DeltaSol<sup>®</sup> BS Plus** controller has improved software and hardware and now offers new functions. The controller is now pre-programmed with 10 basic solar thermal system layouts including one layout which includes heat dump functionality (to dissipate excess heat).

The DeltaSol<sup>®</sup> BS Plus controller is equipped with semiconductor relays for pump speed control, features energy metering and also has a reliable function control. The controller additionally has a drainback option, a thermal disinfection function, various cooling functions and a time-controlled thermostat function. The RESOL VBus<sup>®</sup> data interface permits two-way communication between the controller and external modules, computers or data loggers. Optionally, the controller can be easily configured via a computer using RESOL's ServiceCenter Software.

With its four relay outputs and seven sensor inputs, the **DeltaSol<sup>®</sup> BX** offers a variety of possible solar thermal applications. That variety is extended by an impulse input and two PWM outputs.

The DeltaSol<sup>®</sup> BX has an impressive extra-large display and an intuitive operating interface. The controller's pre-defined systems for a range of one- and two-store system layouts can be easily extended by a number of different add-on functions. Among other software features, the controller has a thermal disinfection function to protect the DHW store against Legionella, a heat dump option to avoid system overheating, and a drainback option.



Additionally, the BX includes connections for Grundfos Direct Sensors™, allows for connection to and speed control of high-efficiency pumps, and can even log data onto an SD memory card.

At the Solar Power International Show 2010 RESOL will be highlighting the **VBus® Touch application for the Apple iPad**. RESOL's new app allows you to view your solar system yield from any location in the world. Browse detailed temperature charts, generate yield balances and monitor system status at your fingertips! VBus® Touch software is compatible with the iPhone and the iPod touch as well.

Last but in no way the least of the new RESOL products is the **WMZ-G1** – the energy measurement and display unit for solar thermal systems and conventional heating systems. The WMZ-G1 can connect with up to two Grundfos Direct Sensors™, which measure temperature and one additional value such as flow rate, relative or differential pressure.

If two Grundfos Direct Sensors™ are connected to the WMZ-G1 and at least one of them is a VFS type sensor, then heat quantity can be calculated. The WMZ-G1 also monitors the operating status of a solar thermal or conventional heating system and displays alerts to any deviations. The WMZ-G1 is available as a 12 V version and is of course cTUVus certified.

You can find the latest news about our products, downloadable documents and much more on the RESOL web site. Stop by for a visit at **www.resol.com** or get a first-hand impression of our products at the Solar Power International 2010: **South Hall I Booth 4627**.

Do you want to learn more about solar thermal control technology? Visit our **expert training seminar in Los Angeles on October 15th**, right after the SPI trade fair, near the Convention Center. We will cover important topics like controller operation and installation, extension possibilities, application range, and other controller functions and options.

The training seminar has a fee of \$50 per participant - refundable with your next order of \$500 or more from RESOL. Sign up at [info@resol.com](mailto:info@resol.com)

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