



### DeltaSol

- universal regulator for application in solar- and heating systems
- plastic housing with easy mounting and compact dimensions
- digital display

### DeltaSol Pro

- text display with menu control by rotary knob
- pump speed control
- bus connection for remote data displays, data logger and PC



### Technical data

#### DeltaSol / DeltaSol Pro

**Housing:**

plug-in plastic housing

**Size:**

150 x 102 x 52 mm

**Protection type:**

IP30 / DIN 40050

**Ambient temperature:**

0 ... 40 °C

**Inputs:**

3 sensor inputs Pt1000

**Outputs:**

2 relay outputs

according to selected version with standard or semiconductor relay (for pump speed control)

**Power supply:**

230 V AC, ± 10 %

**Power consumption:**

aprox. 2 VA

**BUS-connection (Delta Pro):**

RESOL V-Bus, up to 3 modules are connectible

These innovative electronic solar regulators RESOL DeltaSol and DeltaSol Pro are the central elements in the efficient operation of solar and heating systems.

#### DeltaSol Pro

The regulator RESOL DeltaSol Pro is programmed with different basic systems for universal application in solar- and heating systems; individual programmes may be selected by the user as necessary. Additional programmes may optionally be added to enable optimum control of the system.

In designing this regulator great importance has been attached to enclosing the essential components. The central element is the rotary knob with integrated push button. In combination with a 4-place text display, the user is allowed to access system menus and change control parameters within set limits. This simple concept gives the user the confidence to use the regulator without affecting any of the essential operational functions. This regulator is also available with the RESOL V-BUS for connection of additional modules as remote data display, data logger, PC-adaptor and calorimeters as well as a RS232-interface for direct data output to a PC.

#### DeltaSol

RESOL DELTA Sol is the analog basic version of this regulator for application in basic systems. The RESOL DELTA Sol is equipped with 2 standard relay outputs, 3 sensor inputs for Pt1000-sensors, store temperature limitation and manual switch. The large display in combination with the selector switch and the control lamps allows a reliable function control.

# RESOL Series DeltaSol

Universal temperature differential regulators for solar and heating systems



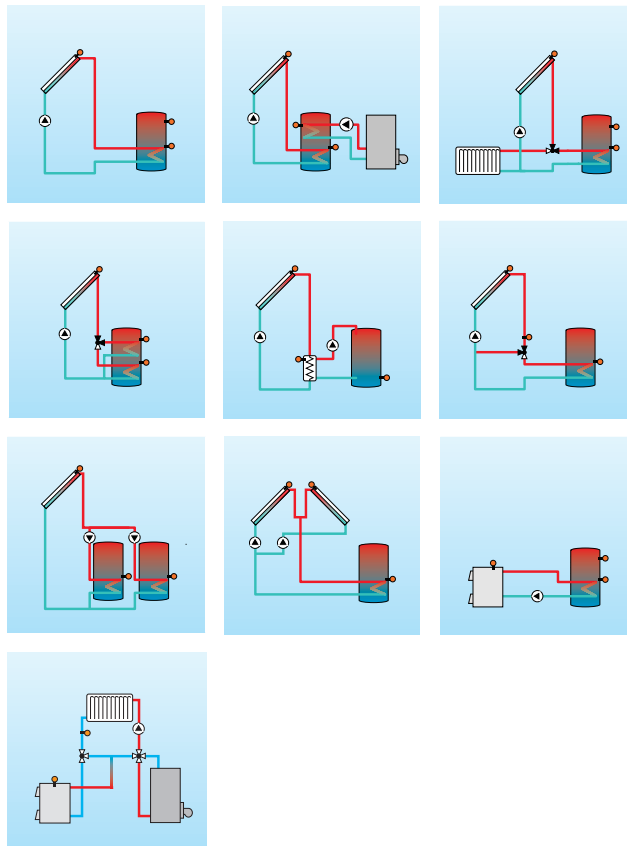
*You can turn more than a knob*



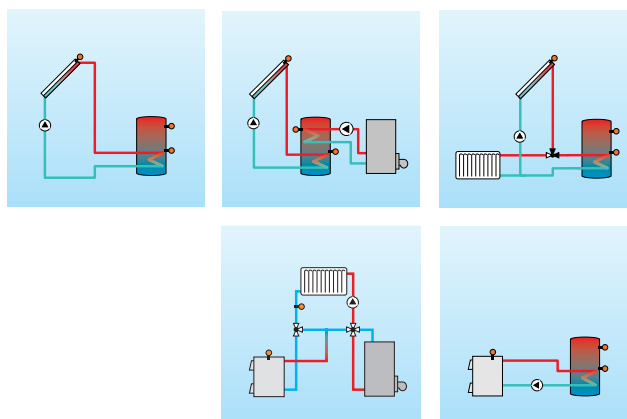
## Functions

display	3 ½-digit LC-display	4-line text display
selector switch / menu selection	rotary switch	rotary pulse generator
relay outputs	2, standard	2, for pump speed control
sensor inputs	3, Pt1000	3, Pt1000
RESOL V-BUS for external modules	no	yes
PC-interface RS232	no	yes
eligible options	by DIP-switch	by menu selection
operating hour counter	no	yes
thermostat function	yes	yes (time controlled)
security switch off	yes	yes
recooling function	yes	yes
collector cooling funct.	yes	yes
frost protection	optional ly	yes
special function of tube collectors	no	yes
system selection	no	yes
clock	no	yes

## Examples DeltaSol Pro



## Examples DeltaSol



## Order indications

Article-No.

**RESOL DeltaSol** 115 322 80

**RESOL DeltaSol - cpl. package -**  
incl. 3 temperature sensors Pt1000 (1 x FKP6, 2 x FRP6) 115 323 00

**RESOL DeltaSol Pro** 115 322 90

**RESOL DeltaSol Pro - cpl. package -**  
incl. 3 temperature sensors Pt1000 (2 x FKP6, 1 x FRP6) 115 323 10

DeltaSol and DeltaSol Pro are also available as individual OEM-versions.

The following icons should be used for illustration of various functions of the regulators, but they only represent a choice of the possible applicabilities.

*... enjoy comfort*