

# DeltaSol M

Solar controller



- microprocessor controlled heat quantity balancing
- in plastic housing IP40/German Industry Norm (DIN) 40050
- Operation by three pushbuttons
- various basic systems and hydraulic systems for the use in solar- and heating systems
- 4-line LCtext-display with menu mode (multilingual)
- 2-coloured diode, 12 temperature sensor inputs, 9 relay outputs, communication interface (RSC)

#### Technical data

Housing	Plastic, PC-ABS and PMMA
Protection type	IP 20 / DIN 40050
Ambient temperature	0 ... 40 °C
Dimensions	260 x 216 x 64 mm
Installation	wall mounting, mounting into patch panels is possible

## Technical data

<b>Display</b>	4-line LC-text display, illuminated, menu-driven (multilingual), 2-coloured LED
<b>Inputs</b>	12 temperature sensors Pt1000 or 11 sensors PT1000 and 1 remote control for heating circuit RTA11-M, 2 flowmeters RESOL V40 and 1 solar cell CS10
<b>Outputs</b>	9 relay outputs, 4 of them are standard relays, 4 semiconductor relays and 1 potential-free relay
<b>Power supply</b>	220 ... 240 V~
<b>Operation</b>	3 pushbuttons at the front
<b>Functions</b>	Solar system controller for use in solar and heating systems. Two integrated calorimeters and control of a weather-compensated heating circuit. Adjustable system parameters and add-on options (menu-driven), balance and diagnostics functions, function control
<b>Bus</b>	VBus®

### Function overview

Max. number of collectors: 2

Max. number of storages: 4

Display: 4 line text, illuminated

Sensor inputs (temperature): 12

Total relay outputs: 9

Number of semiconductor relays

(pump speed control): 4

Number of potential-free relays: 1

Input CS10 (irradiation): ✓

Impulse input (V40): 2

WMZ with flowmeter: 2

WMZ with V40: 2

Weather-compensated heating

circuits: 2

Additional DT-regulation

(e.g. heat exchange): ✓

Thermostat function: ✓

Bypass solar circuit: ✓

External heat exchanger: ✓

Pump speed control: ✓

DVGW-protection against

legionella: ✓

Frost protection: ✓

Heating circuit backup: ✓

Collector cooling function: ✓

Minimum collector limitation: ✓

Collector emergency shutdown: ✓

Cooling function: ✓

Mixer regulation heating circuit: ✓

Tube collector function: ✓

Recooling function: ✓

Timer/Time: ✓

Storage loading in layers: ✓

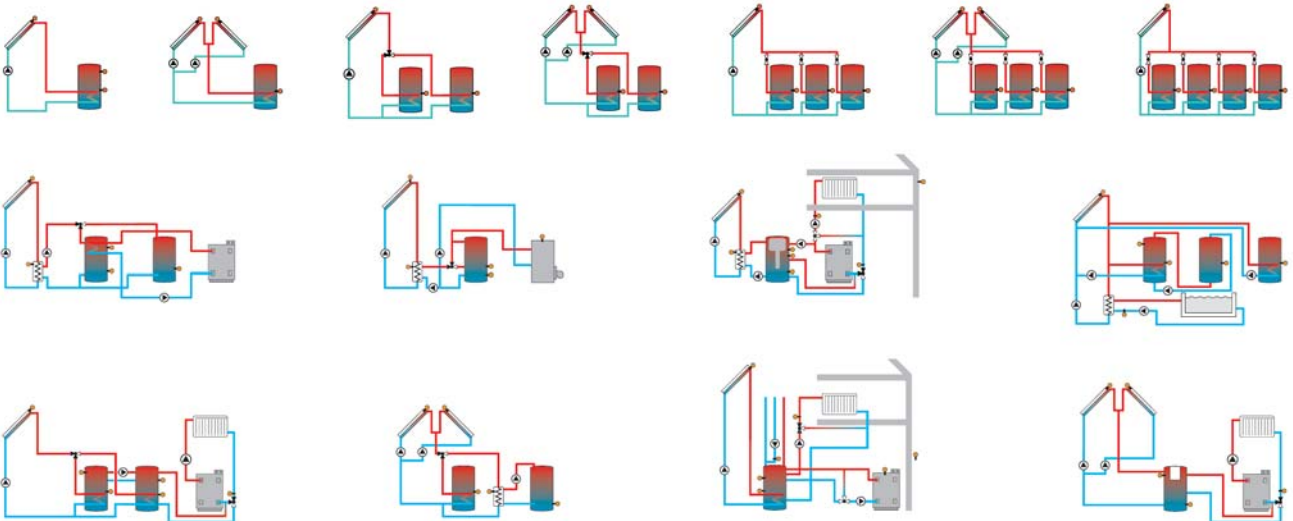
Priority logic/parallel loading /

oscillating loading: ✓

VBus®: ✓

RS232: ✓

### Application field



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