

DeltaSol E

Solar controller



- microprocessor controlled heat quantity balancing for different hydraulic basic systems with pump speed control and calorimetric meter
- various basic systems and hydraulic systems for the use in solar- and heating systems
- Operation by three pushbuttons
- 4-line LCtext-display with menu mode (multilingual)
- VBus for the parametrisation and control of the system

Technical data

Housing	Plastic, PC-ABS and PMMA
Protection type	IP 20 / DIN 40050
Ambient temperature	0 ... 40 °C
Dimensions	227 x 156 x 62 mm
Installation	wall mounting, mounting into patch panels is possible

Technical data

Display	4-line LC-text display, illuminated, menu-driven (multilingual)
Switch-on difference	Solar system controller for use in solar and heating systems. 7 preprogrammed solar and heating systems, internal calorimeter and control of 3 weather-compensated heating circuits by modules. Adjustable system parameters and options (menu-driven), balance
Inputs	10 sensor inputs for Pt1000, CS10, V40
Outputs	7 relay outputs, 3 of them semiconductor relays for pump speed control, 3 standard relays and 1 potential-free relay
Power supply	220 ... 240 V~
Bus	VBus®
Power consumption	approx. 4 VA
Switching capacities	4 (2) A 220 ... 240 V~

Function overview

Max. number of collectors: 2	Impulse input (V40): 1	Pump speed control: ✓	Tube collector function: ✓
Max. number of storages: 4	WMZ with flowmeter: 1	DVGW-protection against legionella: ✓	Recooling function: ✓
Display: 4 line text, illuminated	WMZ with V40: 1	Frost protection: ✓	Timer/Time: ✓
Sensor inputs (temperature): 10	Weather-compensated heating circuits: 4	Heating circuit backup: ✓	Storage loading in layers: ✓
Total relay outputs: 7	Additional DT-regulation (e.g. heat exchange): ✓	Collector cooling function: ✓	Priority logic/parallel loading / oscillating loading: ✓
Number of semiconductor relays (pump speed control): 3	Thermostat function: ✓	Minimum collector limitation: ✓	VBus®: ✓
Number of potential-free relays: 1	Bypass solar circuit: ✓	Collector emergency shutdown: ✓	
Input CS10 (irradiation): ✓	External heat exchanger: ✓	Cooling function: ✓	
		Mixer regulation heating circuit: ✓	

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