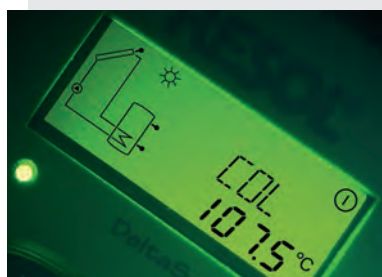


DeltaSol[®] BS

solar controller



altecnic



Application

The DeltaSol®BS controller is for use on solar systems.

The controller provides a clear operating concept and is equipped with an illuminated combined display with system monitoring.

The flashing symbols for sensor, pumps and valves enable a constant display of temperature and temperature difference with an immediate signal for actuator response.

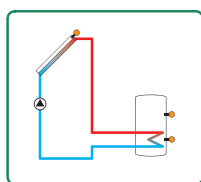
Thus adjusting and monitoring the solar system is quick and easy.

The DeltaSol®BS controller is available in two versions depending upon the demand.

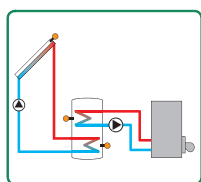
Details of the number of relays as well as additional functions are given below.

- 3 basic system layouts to choose from (DeltaSol®BS/4 only).
- Drainback option.
- Heat metered
- Tube collector function, thermal dis-infection function (DeltaSol®BS/4 only).
- Commissioning menu.
- Dual temperature units °F & °C.
- HE pump controller via adaptor.

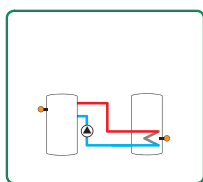
System Examples



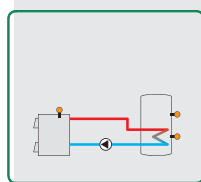
Solar system with 1 store



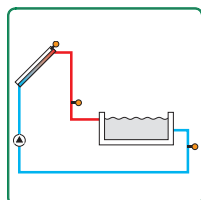
Solar system with 1 store and thermostatic afterheating



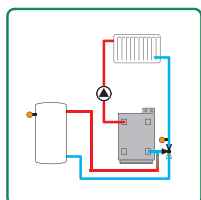
Heat exchange controller*



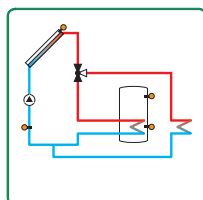
Solid fuel boiler*



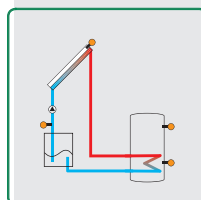
Solar system with swimming pool*



Heating circuit return preheating*



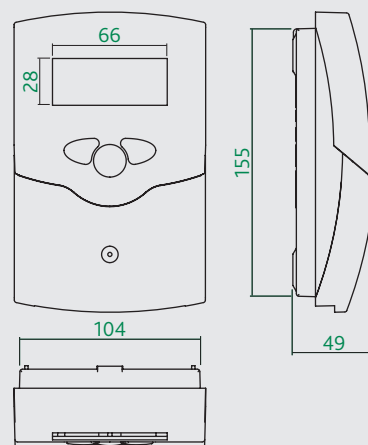
Solar system with 1 store and heat dump



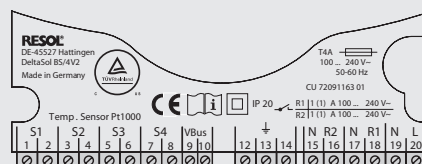
Solar drainback system*

* Application examples

Dimensions



Electrical Connections



Technical Specification

Inputs:	4 Pt1000 temperature sensors
Outputs:	1 semiconductor relay (BS/2), 2 semiconductor relays (BS/4)
Switching capacity:	1 (1) A 240 V~ (semiconductor relay)
Total switching capacity:	1 A 240 V~ (BS/2), 2 A 240 V~ (BS/4)
Power supply:	100 ... 240 V~ (50 ... 60 Hz)
Supply connection:	type Y attachment
Power consumption:	< 1 W (standby)
Mode of operation:	type 1.C.Y action

Rated impulse voltage:	2.5 kV
Data interface:	RESOL VBus®
VBus® current supply:	35 mA
Functions:	function control, operating hours counter, tube collector function (BS/4), heat quantity measurement and pump speed control
Housing:	plastic, PC-ABS and PMMA
Mounting:	wall mounting, mounting into patch panels is possible

Indication / Display:	System-Monitoring-Display for visualisation of systems, 16-segment and 7-segment display, 8 symbols for indication of system status and operating control lamp
Operation:	3 push buttons at the front
Ingress protection:	IP 20 / EN 60529
Protection class:	II
Ambient temperature:	0 ... 40 °C
Pollution degree:	2
Dimensions:	172 x 110 x 49 mm

E & O.E

Altecnic Ltd Mustang Drive, Stafford, Staffordshire ST16 1GW

T: +44 (0)1785 218200 E: sales@altecnic.co.uk

Registered in England No: 2095101

altecnic.co.uk

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