

SOLAR / HEATING SYSTEM CONTROLLERS

Solar systems are operated and controlled by solar controllers. The RESOL controllers initiate switching processes depending on thermal, hydraulic and environmental conditions. RESOL controllers offer a variety of options and functions for the optimum use of individual solar and heating systems.

DELTA SOL BS PLUS / BS3

Features of the BS range include:

Flashing symbols for sensors, pumps and valves • Energy measurement capability • Easy adjustment of control parameters via 3 button pad • Thermostat function (to divert excess heat or supply back-up heat) • Frost protection, system cooling, • Special evacuated tube collector operating functions



DeltaSol BS Plus As above but also includes time controlled thermostat and is equipped with the RESOL VBus for bidirectional communication with PC or for datalogging.

DeltaSol BS 3 Digital differential controller with three temperature sensor inputs and two standard relay outputs. Ideal for controlling a solar installation having one storage tank and one or two circulating pumps (valves).

Model	Code	Price €
DeltaSol BS Plus Full Kit	020-11542213	301.88
Delta Sol BS3 Full Kit	020-11542073	210.00

DELTA SOL M



The **Delta Sol M** is suitable for solar and heating systems. 9 relay outputs and 15 sensor inputs. Multi lingual menu. Up to 2 calorimeters and control of a weather compensation heating circuit. Adjustable system parameter and add-on options (menu driven), balance and diagnostic functions. DeltaSol M is equipped with the RESOL VBus for bidirectional communication with PC or for datalogging

Model	Code	Price €
DeltaSol M Full kit	020-11599023	643.13

DELTA SOL MX / DELTA SOL BX



The **DeltaSol® BX** is equipped with four relay outputs as well as two PWM outputs for the speed control of energy-saving high-efficiency pumps; one of the PWM outputs can be converted into a 0-10 V signal output. Additionally, the controller is equipped with five Pt1000 sensor inputs, two analog Grundfos sensor inputs, an impulse input as well as a supplemental L'- output for the connection of an actuator. The integrated SD memory card slot enables an easy datalogging to an SD memory card as well as a quick and effortless transfer of logged system data to a PC. The extra-large display vouches for a precise visualisation of the system status. Pre-defined functions allow easier parametrisation of the system; functional additions such as a drainback option broaden the range of applications. The DeltaSol® BX is also equipped with a RESOL VBus®

The **DeltaSol® MX** is equipped with 13 relay outputs, four PWM outputs for the speed control of energy-saving high-efficiency pumps; two of the PWM outputs can be converted into 0-10 V signal outputs. Additionally, the controller has one frequency input, three impulse inputs as well as a range of different sensor inputs. Up to four extension modules can be connected via the RESOL VBus®. The integrated SD memory card slot enables an easy datalogging to an SD memory card as well as a quick and effortless transfer of logged system data to a PC. The large full graphic display allows the direct display of balance and progression diagrams. Pre-defined functions allow easier parametrisation of the system; functional additions such as a drainback option broaden the range of applications.

Model	Code	Price €
Delta Sol MX	TBC	To be announced Oct '09
Delta Sol BX	TBC	To be announced Oct '09