

Functional survey of the DeltaSol® BS series

Intelligent control technology for solar thermal systems and use of heat energy. The controllers of the DeltaSol® BS product series cover the

whole spectrum starting from a simple differential controller up to a two circuit solar controller.



| | DeltaSol® BS/1 | DeltaSol® BS/2 | DeltaSol® BS/3 | DeltaSol® BS/4 | DeltaSol® BS Plus |
|--|----------------|----------------|----------------|----------------|-------------------|
| Max. heat sources (collector fields) | 1 | 1 | 1 | 1 | 2* |
| Max. heat loads (tanks) | 1 | 1 | 1 | 1 | 2* |
| System monitoring display | ✓ | ✓ | ✓ | ✓ | ✓ |
| Sensor inputs (temperature) | 4 | 4 | 4 | 4 | 4 |
| Relay outputs | 1 | 1 | 2 | 2 | 2 |
| Standard relay | 1 | - | 2 | 1 | - |
| Speed control | - | ✓ | - | ✓ | ✓ |
| Second ΔT -function | - | - | - | - | ✓ |
| 2 tank priority logic | - | - | - | - | ✓ |
| Thermostat function | - | - | ✓ | ✓ | ✓ |
| Real time clock (timer function) | - | - | ✓ | ✓ | ✓ |
| Energy metering | ✓ | ✓ | ✓ | ✓ | ✓** |
| Freeze protection function | ✓ | ✓ | ✓ | ✓ | ✓ |
| Tube collector function | ✓ | ✓ | ✓ | ✓ | ✓ |
| Min. collector temperature adjustable | ✓ | ✓ | ✓ | ✓ | ✓ |
| Cooling functions | ✓ | ✓ | ✓ | ✓ | ✓ |
| Emergency shutdown functions | ✓ | ✓ | ✓ | ✓ | ✓ |
| VBus® | ✓ | ✓ | ✓ | ✓ | ✓ |
| Celsius / Fahrenheit conversion | ✓ | ✓ | ✓ | ✓ | ✓ |
| Drainback option | - | ✓ | ✓ | ✓ | ✓ |
| Drainback booster option | - | - | ✓ | ✓ | ✓ |
| Heat dump function | - | - | ✓ | ✓ | ✓ |
| Energy-saving switch-mode power supply | ✓ | ✓ | ✓ | ✓ | ✓ |

* depends on selected system layout 2 collectors and 1 tank or 1 collector 2 tanks

** depends on selected system layout

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UL 60730-1A:2002
CSA E60730.1:2002

