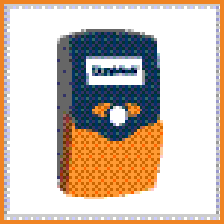
SunMaxx Solar™
Hot Water Solutions



IntellaMaxx Controller Series

The digital controller is the brain of a SunMaxx solar hot water or heating system. Controllers read the temperatures at the solar collector and inside the storage tank. When heating of the tank is needed, and the collectors can provide the heat, the controller will activate the circulator pump(s), and vice-versa. The solar controller handles all of this automatically. SunMaxx offers a number of industry-leading solar hot water and heating sytsem controllers.

Whether it be a small system, a large system, a pool heater or somewhere in between, there is an IntellaMaxx Controller that will pair with your system perfectly. And with a large range of features, our controllers monitor your system flawlessly.

IntellaMaxx DHW Controller

The IntellaMaxx DHW controller is a simple differential controller used in standard solar thermal systems. The controller offers a clear operating concept and is equipped with the illuminated display with system-monitoring. Flashing symbols for sensors, pumps and valves enable an immediate display of temperatures, temperature differences and active outputs. Adjustment and control of the solar system can be easily carried out. The controller offers functions such as a drainback function.

Features

- Illuminated system-monitoring-display
- Up to 4 Pt1000 temperature sensors
- Solar operating hours counter
- Thermostat function
- Up to 3 basic systems selectable
- Tube collector function
- Drainback option including booster function
- Heat dump function
- VBus®
- Programming and remote control of the system via ServiceCenter Software possible

IntellaMaxx DHW-Plus Controller

The IntellaMaxx DHW-Plus system controller is pre-programmed for different systems and is equipped with a energy metering function, a realtime clock and the VBus®. The multi-functional and illuminated display enables system-monitoring for intuitive and safe controller configuration and comprehensive visualization of the system status. Simple pictograms provide information on function and operating status of the controller and the system. This version is equipped with 4 inputs for Pt1000 temperature sensors, tank temperature limitation and manual operation mode. The central element is the 3-key-field below the display.

Features

- 2 Heat sources (collector fields)
- 2-tank priority logic
- Thermostat function
- Illuminated system-monitoring display
- Up to 4 Pt1000 temperature sensors
- 2 relays for pump speed control
- Second differential
- Drainback option including booster function
- Heat dump function
- 10 systems selectable
- Energy metering
- Function control
- VBus®
- Programming and remote control of the system via ServiceCenter software possible

IntellaMaxx Combi Controller

The IntellaMaxx Combi controller is a simple differential controller used in standard solar thermal systems. The controller offers a clear operating concept and is equipped with the illuminated display with system-monitoring. Flashing symbols for sensors, pumps and valves enable an immediate display of temperatures, temperature differences and active outputs. Adjustment and control of the solar system can be easily carried out. The controller offers functions such as a drainback function.

Features

- 2 Heat sources (collector fields)
- 2-Tank priority logic
- 7 basic solar systems are possible
- Pump speed control, solar operating hours counter and energy metering
- Internal calorimeter
- 4 weather-compensated heating circuits
- Up to 10 PT1000 temperature sensor inputs
- Tube collector function
- 7 relay outputs
- Function control
- VBus®
- Housing with outstanding design
- User-friendly operation

IntellaMaxx Combi-Plus Controller

The IntellaMaxx Combi-Plus controller is equipped with a multi-lingual menu, 9 relay outputs and 12 sensor inputs as well as a multitude of add-on functions and options, which enable the adaptation of the controller to individual solar and heatingsystems. The controller is equipped with an interface for communication with the ServiceCenter Software.

Features

- 2 Heat sources (collector fields)
- 2-Tank priority logic
- Illuminated text display with menu navigation
- Up to 12 PT1000 temperature sensor inputs
- 9 relay outputs
- 7 variable basic solar systems
- 4 weather-compensated heating circuits
- 2 Flowmeter inputs
- Tube collector function
- 1 remote control option
- Additional add-on options and functions
- Free allocation for temperature difference and thermostat functions
- VBus® and RS232-interface
- User-friendly operation

BIA-HAWAII MEMBER ISES ASES

SunMaxx Solar™ Hot Water Solutions

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