



PRODUCT DATA SHEET

SmartMaxx Pro Series Controllers

SmartMaxx-Pro-MV2

Technical Features

Temp. Sensors	3
Relay Outputs 230V of which for speed control of standard pumps	2 1
Outputs 0..10V PWM Signal	0
VFS/RPS sensors	0
Number of applications	25+
LEDs red/green for display of operating status	1
Simple Heat Metering	yes
Flow Based Heat Metering (Grundfos VFS Sensor)	no
Pressure Monitoring (Grundfos RPS sensor)	no
Time & Temperature-controlled thermostat function	yes
Battery-backed Real Time Clock	yes
Legionella protection via solar	yes
Legionella protection via additional heating	yes
Cooling Function	yes
Setup Wizard	yes
System Protection	yes
Collector Protection	yes
Storage Protection	yes
Anti-freeze programs	yes
Recooling	yes
Start logic for vacuum tube collectors	yes
Control program for self-dump- ing systems (drainback)	yes
Data Storage with statistics and graphic analysis	yes
Error memory and analysis with date and time	yes
Menu blocker	yes
Ethernet Connection (via data logger)	no



Additional Functions

- 25+ basic systems with solar or solid fuel boiler w/ additional functions for unused realsys
- Self-explanatory operation via 4 entry keys
- Multilingual full-text menu w/ help texts and graphic mode with animations
- High contrast lighted display with 128x64 pixel
- Function check and graphical system analysis with long-term memory for statistics about heat quantity and operating hours
- RTC Real Time Clock > 24h power reserve
- White housing RAL9003, protection class IP40, dimensions 163mm x 110mm x 51mm
- Mounting hardware, spare fuse and user manual

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1.800.786.0329 fax
www.sunmaxxsolar.com



PRODUCT DATA SHEET, continued SmartMaxx Pro Series Controllers

SmartMaxx-Pro-LV4

Technical Features

Temp. Sensors	6
Relay Outputs 230V of which for speed control of standard pumps	3 2
Outputs 0..10V PWM Signal	2
VFS/RPS sensors	2
Number of applications	36+
LEDs red/green for display of operating status	1
Simple Heat Metering	yes
Flow Based Heat Metering (Grundfos VFS Sensor)	yes
Pressure Monitoring (Grundfos RPS sensor)	yes
Time & Temperature-controlled thermostat function	yes
Battery-backed Real Time Clock	yes
Legionella protection via solar	yes
Legionella protection via additional heating	yes
Cooling Function	yes
Setup Wizard	yes
System Protection	yes
Collector Protection	yes
Storage Protection	yes
Anti-freeze programs	yes
Recooling	yes
Start logic for vacuum tube collectors	yes
Control program for self-dump- ing systems (drainback)	yes
Data Storage with statistics and graphic analysis	yes
Error memory and analysis with date and time	yes
Menu blocker	yes
Ethernet Connection (via data logger)	yes



Additional Functions

- 36+ basic systems with solar or solid fuel boiler with additional functions for unused relays
- self-explanatory operation via 4 entry keys
- multilingual full-text menu with help texts and graphic moove with animations
- High contrast lighted display with 128x64 pixel
- Function check and graphical system analysis with long-term memory for statistics about heat quantity and operating hours
- RTC Real Time Clock with >24h power reserve
- White housing RAL9003, protection class IP40, dimensions 163mm x 110mm x 51mm
- Mounting hardware, spare fuses and user manual

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PRODUCT DATA SHEET, continued SmartMaxx Pro Controllers

SmartMaxx-Pro-XLC, SmartMaxx-Pro-XLCE (datalogging w/ ethernet)

Technical Features

Temp. Sensors	8
Relay Outputs 230V	7
of which for speed control of standard pumps	2
Outputs 0..10V PWM Signal	2
Number of applications	48+
LEDs red/green for display of operating status	2
Simple Heat Metering	yes
Flow Based Heat Metering (Grundfos VFS Sensor)	yes (2)
Pressure Monitoring (Grundfos RPS sensor)	yes (2)
Time & Temperature-controlled thermostat function	yes
Battery-backed Real Time Clock	yes
Legionella protection via solar	yes
Legionella protection via additional heating	yes
Cooling Function	yes
Setup Wizard	yes
System Protection	yes
Collector Protection	yes
Storage Protection	yes
Anti-freeze programs	yes
Recooling	yes
Start logic for vacuum tube collectors	yes
Control program for self-dumping systems (drainback)	yes
Data Storage with statistics and graphic analysis	yes
Error memory and analysis with date and time	yes
Menu blocker	yes
Ethernet Connection (via data logger)	yes



Additional Functions

- 48+ basic systems with solar or solid fuel boiler with additional functions for unused relays
 - self-explanatory operation via 4 entry keys
 - multilingual full-text menu with help texts and graphic mode with animations
 - High contrast lighted display with 128x64 pixel
 - Function check and graphical system analysis with long-term memory for statistics about heat quantity and operating hours
 - RTC Real Time Clock with >24h power reserve
- White housing RAL9003, protection class IP40, dimensions 228mm x 180mm x 53mm
- Mounting hardware, spare fuses and user manual

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APPROVAL STAMPS

Architectural Stamps and Remarks

A large rectangular area defined by a dotted border, intended for architectural stamps and remarks.

Contractor Stamp and Remarks

A large rectangular area defined by a dotted border, intended for contractor stamps and remarks.

Contractor Note - Sign Below

A rectangular area defined by a dotted border, intended for a contractor note or signature.

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