

Menu structure

Service

- English “Language” **Nederlands**
- Time and date
 - Time
 - Date
 - 24/12h clock
 - DST
- System
 - System 1 - 8
 - System Parameter (if available)
- Outputs Configuration
 - P1 “Information of the use” * zie onder
 - P2 “Information of the use”
 - P3 “Information of the use”
- Inputs Configuration
 - Fixed Flowrate value ** zie onder
 - Flow (l/min)
 - Grundfos sensors
 - GDS1 “Sensor choice”
 - GDS2 “Sensor choice”
 - Impulse flow meter
 - T6
 - Liter/Impulse
 - Temperature Sensors
 - T1- T5
 - Calibration (Pt-1000)
- Energy Measurements
 - Solar Energy
 - Adjustments
 - 2nd Energy
 - Adjustments
- Protection func.
 - Max temp coll.
 - Overheat prot.
 - Overheat temp
 - Cooling
 - Max temp
 - Recooling
 - Min temp
 - Freeze prot.
 - Freeze Temp
- Degrees °C/°F
- Tube collectors
- Factory setting
- Quick start menu
 - Configuration sequence

Settings

- Maxtemp tank1 **85°C**
- dT.ON tank1 **7°C**
- dT OFF tank1 **4°C**
“Only available with system with 2 tanks”
- Maxtemp tank2
- dT.ON tank2
- dT OFF tank2
“Only available with system 6”
- dT.ON return
- dT OFF return
- dT FS **12°C**
- Mintemp coll. **15°C**
“Only available if P3 is used as an Extra function”
- Extra Function adjustments

Operation

- Automatic
- Off
- Chimney sweep
- Manual testing

Operation h

- Operation
- dT
- Power
- Energy
- SD card

Temperatures

- T1

- T2
- T3
- T4
- T5

MAIN CHARACTERISTICS

- Large graphic display with backlight
- Easy use interface (4 keys with scroll menu).
- Several languages available
- **SD card** interface to save the recorded statistics (Temperatures, Power, Energy, Time operation...) and parameters.
- 2 energy counters (1 for solar energy and 1 free to specify).
- 1 Bus connection (RJ45) for Extension module (MULTIPLEX) and communication option.
- Graphic view for Temperature, power, energy...
- 8 working systems with several extra functions possibility
- 5 Inputs for temperature sensors (PT1000 type)
- 1 Logical Input for Impulse flow meter input (for energy measurement).
- 2 Analogue inputs for Grundfos direct sensors (Flow, Pressure and temperature sensor)
- 2 electronics outputs for pump (Standard or PWM) with pump exercise function.
- 1 standard output for Extra function (to control additional heat, cooling system...)
- Automatic, Off, Manual test mode and chimney sweep function.
- Sensors Auto checks (Short circuit and breaks)
- Collector protection (Freeze and overheat)
- Permanent memory storage

TECHNICAL CHARACTERISTICS

Operating temperature	0°C – 50°C
Electrical Protection	IP20
Installation Category	CLASS I
Pollution Degree	2
Fusible	5A Type Fuse 230Vac (5x20mm)
Power supply	230Vac +/- 10% 50Hz
Maximum Power Consumption (with all outputs activated)	4,7A (~ 1080W)
Outputs: P1 (Main pump with standard or PWM speed regulation): P2 (Pump with standard or PWM speed regulation, valve): P3 (Extra, Additional heat, cooling...)	Triac max. 1A 230VAC. Minimum power switching >1W Triac max. 1A 230VAC. Minimum power switching >1W Relay max. 2A 230VAC * Higher power consumption: only possible with external power relay
Inputs: T1 (Collector1): T2 (Tank1): T3 (Extra sensor): T4 (Extra sensor, Tank2, Collector2): T5 (Collector return): T6 (Flow meter): GDS1 & GDS2 (Grundfos sensor): Flow or pressure.	PT 1000 type PT 1000 type PT 1000 type PT 1000 type PT 1000 type Impulse type (low voltage 5V) Analogue type (Grundfos VFS, RPS)
Sensors delivered with the product: 2 Collectors sensor (red) 1 Tank (grey) 1 Extra (grey)	PT1000 (1.5M 180°C) PT1000 (3M 105°C) PT1000 (3M 105°C)
Software version	Displayed during initialisation Higher Version 11xx

* PWM pump > Wilo > minimum snelheid 30%

** Waarde aflezen bij 100% snelheid op glazen flowmeter op solarstation en invoeren