

# XTDC – Temperature - Difference - Controller

## Solar Controller for Complex Systems



## Product information

- Temperature Difference Controller for solar thermal systems with up to 4 storage tanks
- wide selection of basic solar systems with optional additional functions, such as backup heating control, wood-burning boiler control or the use of a bypass function
- additional protection functions can be activated for a particularly high degree of security
- well readable, white illuminated display with self-explanatory full text mode as well as graphic mode with animations
- standard version comes with numerous languages
- battery backed real-time clock
- 2 illuminated diodes for display of operating status
- 4-key operator guidance with extensive adjustment possibilities including help texts and various control programs with heat metering
- function control and long-time monitoring of the system through data storage of heat quantity, pressure monitoring, statistics and analyses
- data logging on Micro-SD-Memory Card
- optional Ethernet interface for data logging, remote control and other functions
- intuitive, self-explanatory operator guidance with help texts without confusing abbreviations
- setup wizard

## Connections

- 8 PT1000 temperature sensor inputs
- 2 sensor inputs for Grundfos VFS sensors for heat metering and flow or pressure metering
- sensor expansion jack for 3 additional sensors
- 2 outputs 0..10V or PWM signal for control of high efficiency pumps, large pumps and frequency converters
- 2 electronic outputs (230VAC) for speed control of standard pumps
- 4 relay outputs mechanical (230VAC)
- 1 relay output potential free
- Micro SD Memory Card Slot
- Digital connection / bus system
- Ethernet connection (optional)

## Specifications

- Casing ABS UL94 VO
- protection category IP40
- protection class II
- front foil for customer specific labeling
- colour: RAL 9003 (White)
- dimensions: 228 x 180 x 53 mm