



Solar systems controller DX4102.DIN



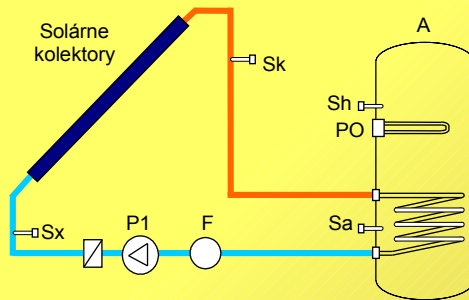
DX4102.DIN controller provides automatic operation of simple solar systems. The device can be used in pressure and drain-back hydraulic.

Operating parameters are displayed on the LCD. Using the keyboard, you can set it to the desired working mode.

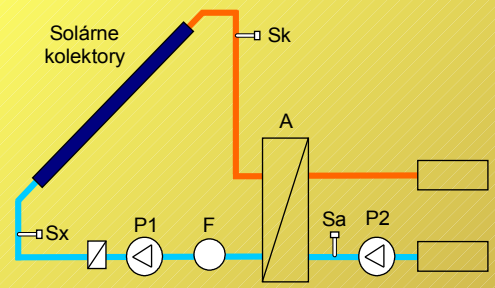
It has four inputs for temperature sensors, one triac output to control pumps (continuously variable speed), and one potential-free relay contact for controlling the auxiliary heating, respectively. secondary pump.

Measure and record the amount of solar energy supplied to the system. It is possible to connect it to the PC. It is mounted on 35 mm DIN rail.

- Simple operation with four keys
- Displaying data on the LCD
- Measurement and recording of supplied energy
- Possibility of manual operation
- Connection to PC



Block diagram of the controlled system with auxiliary output:
 Sk – collectors temperature sensor
 Sx – back flow temperature sensor
 Sa – accumulator A temperature sensor
 Sh – auxiliary heating temperature sensor
 F – flow sensor, PO -auxiliary output (e.g.el heater), P1 - pump



Block diagram of the controlled system with secondary pump:
 Sk – collectors temperature sensor
 Sx – back flow temperature sensor
 Sa – temperature sensor
 F – flow sensor
 P1 -pump, P2 - secondary pump

Technical data

Supply voltage	230 V
Measured range	-25 ÷ 170 °C
Measured accuracy	± 1,5 K
Sensors types	DX1083, DX1112
Number of inputs	4
Number of outputs	2
Max. outputs load	1A
Communication	active 20mA current loop

Operating conditions

Ambient temperature	5 ÷ 50 °C
Relative humidity max.	80% at 30 °C
Air pressure	70 ÷ 106 kPa

