



Solar systems controller DX4302.DIN

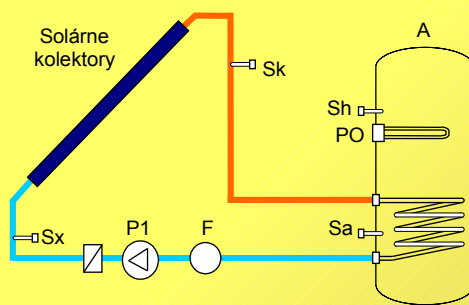


DX4302.DIN controller provides automatic operation of simple solar systems. The device has the possibility of free use of one auxiliary output.

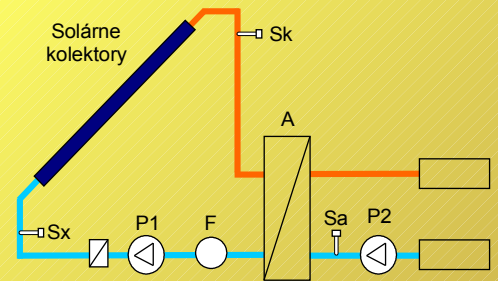
Operating parameters are displayed on the LCD. Using the keyboard, you can set it to the desired working mode. There are four inputs for temperature sensors, one triac output to control pumps (continuously variable speed), and one potential-free relay contact for control of freely programmable auxiliary output.

The device measures and records the amount of solar energy supplied to the system. It is possible to connect it to the PC.

- Freely programmable controller.
- Displaying data on the LCD
- Pressure sensor
- Measuring and logging of the supplied energy
- Possibility of manual operation
- Connection to PC
- DIN rail mounting



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
Measuring range	-25 ÷ 170 °C
Measuring accuracy	± 1,5 K
Sensors types	DX1083, DX1112
Numbers of inputs	6
Numbers of outputs	2
Max. outputs load	1A
Pressure sensor	DX5500
Communication	yes

Operating conditions

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

