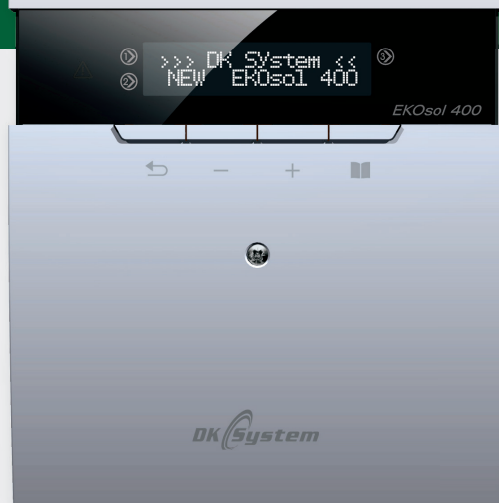


EKOSOL 400

Solar controller



DESCRIPTION OF A CONTROLLER

Solar controller is designed for control of the solar system pumps (and other optional device) in order to ensure economic process of charging a DHW cylinder.

The controller, by measuring the temperature of the collectors and a DHW cylinder, enables and disables the solar pumps charging the domestic hot tap heater. They are turned on when the temperature of the domestic hot tap water heater is lower than the preset by the user, and collectors have the temperature respectively higher than the current temperature in the hot water heater.

CONTROLLER HAS THE FOLLOWING FEATURES:

- solar pump control that charges the water heater depending on the temperature of the solar collector
- choice of solar fluid
- dual-zone solar collectors with separate pumps
- energy meter
- maintaining the desired temperature in the hot water heater
- additional control output depending on user's choice (hot water circulation pump, heater or pump of the second DHW cylinder)
- choice of one of three programs of domestic hot water circulation pump program
- ability of creating own domestic hot water circulation pump program depending on individual needs and preferences
- clear menu and intuitive use
- error messages
- HOLIDAYS function

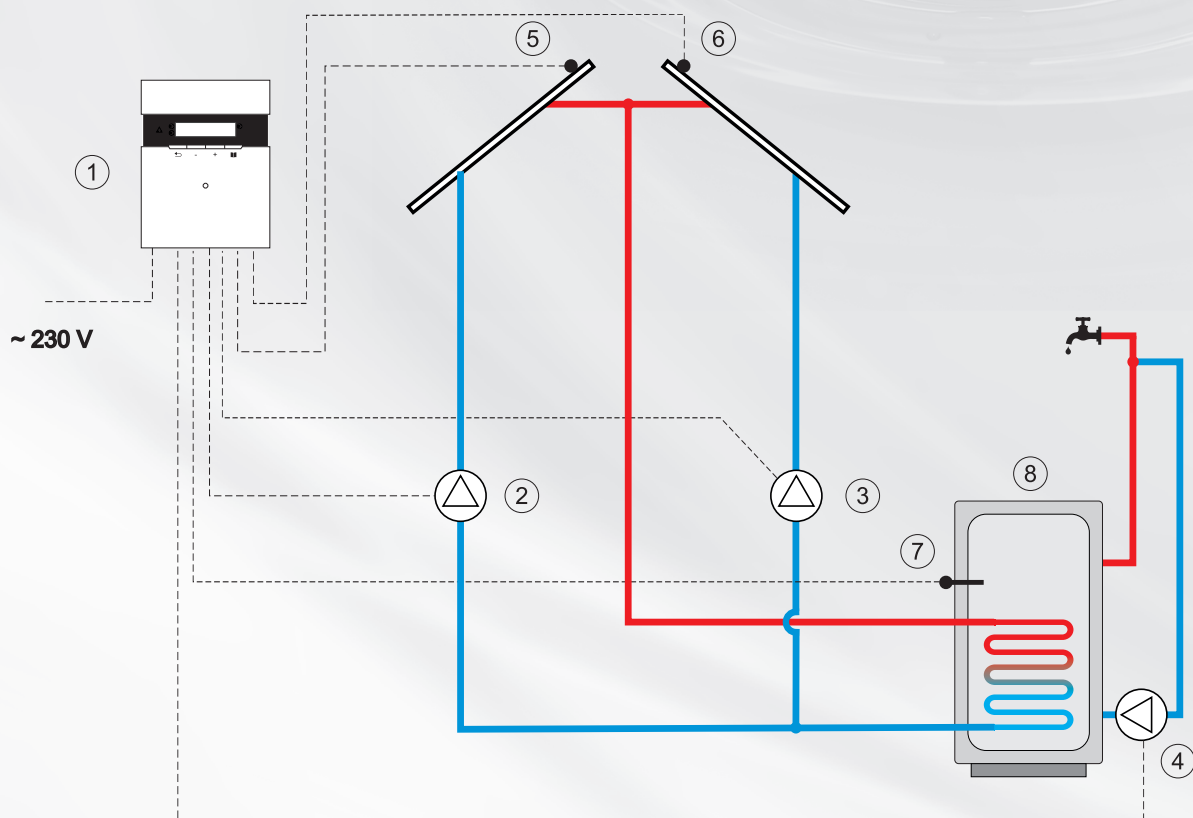


INTELIGENTNE ROZWIĄZANIA

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TECHNICAL DATA	EKOSOL 400
Rated voltage	230 V, 50 Hz
Relative air humidity	95 %
Housing protection class	IP 20
Insulation class	II
Dimensions	175 x 136 x 46 mm
Ambient temperature	from 0 °C to + 40 °C
Electric protection	1 x 2,5 A

CONNECTION DIAGRAM OF THE CONTROLLER TO HEATING INSTALLATION



- | | |
|--------------------------|----------------------------|
| 1. EKOSOL 400 controller | 5. Collectors sensor No. 1 |
| 2. Solar pump No. 1 | 6. Collectors sensor No. 2 |
| 3. Solar pump No. 2 | 7. DHW heater sensor |
| 4. Circulation pump | 8. DHW container |

Example of the heating installation diagram with a EKOSOL 400 controller without the cutting off and protecting devices. It does not replace a professional project at the assembly spot.