

DK 5000

Pump controller



DESCRIPTION OF A CONTROLLER

DK 5000 pump temperature controller is designed for automatic switching on / off of the central heating circulation pump, depending on the temperature measured on the sensor.


THE CONTROLLER HAS THE FOLLOWING FEATURES:

- intuitive temperature setting by means of a knob
- control of the central heating circulation pump
- switching the continuous operation of the central heating pump
- COMFORT SYSTEM function, which protects the pump against scaling
- function of protecting the system against freezing and overheating of the boiler
- damage indication of the temperature sensor

AUTOMATIC MODE

In automatic mode, the pump will operate at higher temperatures than set with a knob, and when the temperature drops below the set value, the controller will shut it down.

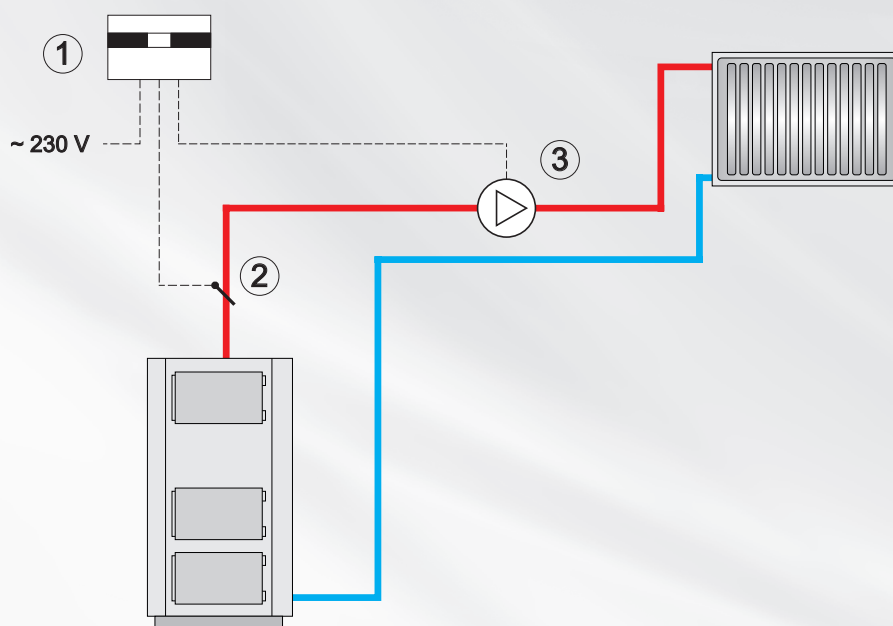
CONTINUOUS MODE

Continuous operation of the pump (regardless of the temperature set on the knob) is forced by pressing the  button and is indicated by the glowing yellow LED. Pressing the button again turns off the continuous operation and moves the controller to work in an automatic mode.



TECHNICAL DATA	DK 5000
Range of measured temperature	from - 9 °C to + 99 °C
Range of temperature settings	from + 10 °C to + 90 °C
Hysteresis of pump (on/off difference)	2 °C
Allowable outputs load	pump: 100 W / 230 V
Rated voltage	~ 230 V, 50 Hz
Electric protection	1,25 A
Rated power load	275 W
Relative air humidity	< 95 %
Housing protection class	IP 40
Insulation class	II
Dimensions	145 x 90 x 45 mm
Ambient temperature	from 0 °C to + 40 °C

CONNECTION DIAGRAM OF THE CONTROLLER TO HEATING INSTALLATION



1. DK 5000 controller
2. Temperature sensor
3. Central heating pump

Example of the heating installation diagram with a DK 5000 controller without the cutting off and protecting devices. It does not replace a professional project at the assembly spot.