

# EKOster 200

Solid fuel boiler temperature controller



## DESCRIPTION OF A CONTROLLER

Central heating boiler temperature controller EKOster 200 is designed for blow-in control in central heating boilers and for switching on the circulation pump in central heating installations.

## THE CONTROLLER HAS THE FOLLOWING FEATURES:

- maintaining the preset temperature of a boiler by controlling the air blow-in
- modulated and adjustable power of the fan
- function of supporting the combustion process by the so-called blow-bys
- smooth start-up of the fan or cooperation with a contactor
- adjustable damping time and automatic control turn off after extinguishing of the boiler
- stopping the fan operation when adding fuel to a boiler / damping
- control of the central heating circulation 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
- ability to connect the remote control panel CONTROL with audible alarm function

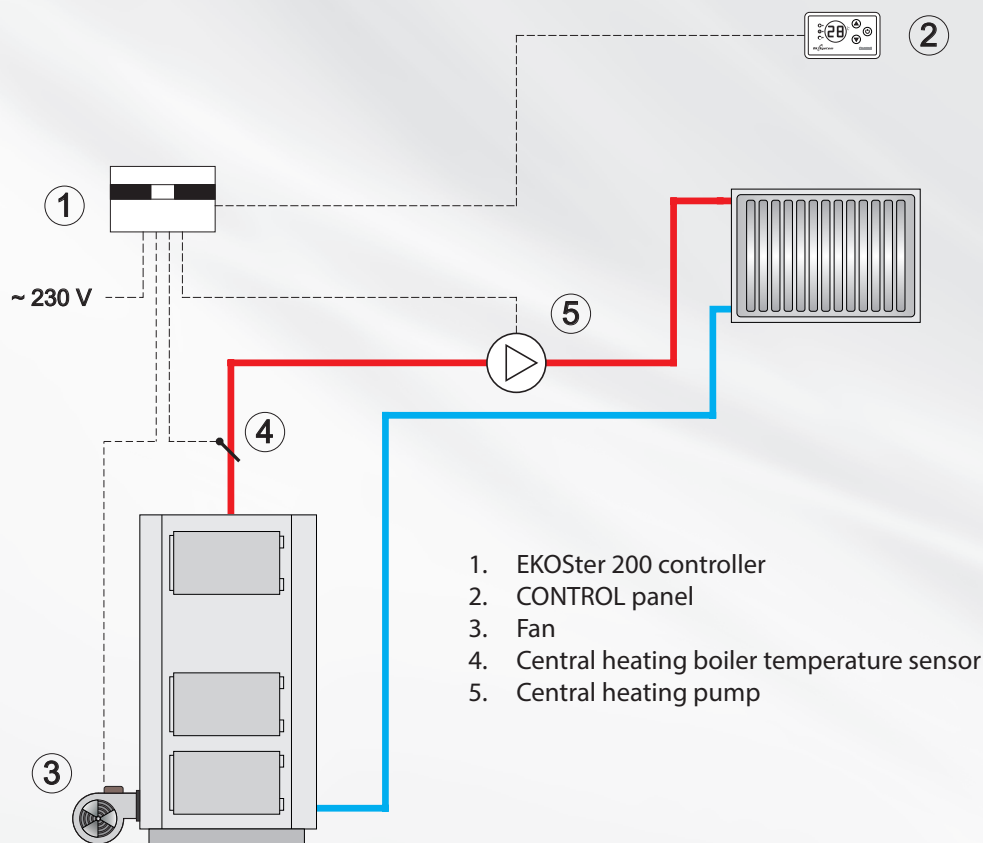


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TECHNICAL DATA	EKOster 200
Range of measured temperature	from - 9 °C to + 99°C
Range of temperature settings for a boiler	from + 35 °C to + 90 °C
Range of temperature settings for central heating pump	min 35 °C
Infinitely adjustable blower (modulation)	yes
Adjustable minimum fan power	30 % - 70 %
Adjustable max. fan power	30 % - 100 %
Hysteresis of a fan (on/off difference)	from 0 °C to 9 °C
Adjustable blow-by (possibility to turn off the blow-by completely)	operation: 0 - 90 sec. break: 1 - 60 min.
Adjustable boiler damping time	0 - 45 min.
Allowable outputs load	fan: 100 W / 230 V central heating 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



Example of the heating installation diagram with a EKOSter 200 controller without the cutting off and protecting devices. It does not replace a professional project at the assembly spot.