EKOSter 430E RS

Electric boiler temperature controller

Cat. no. 201931

CONTROLLER DESCRIPTION

The Ekoster 430E RS boiler temperature controller is designed to control an electric boiler, a circulation pump in heating systems, a loading pump for the DHW heater and, in addition, a circulation pump or floor heating pump.

THE CONTROLLER OFFERS THE FOLLOWING FUNCTIONS:

- maintaining the set temperature by controlling the electric boiler's operation
- capacity for expansion with 3 additional DKMZ modules controlling the circuits with a pump and 3- or 4-way valve working with room controllers
- central heating circulation pump control
- possibility of switching DHW priority on or off
- control over the DHW heater supply pump depending on the required temperature
- controlling the circulation pump or the floor heating pump
- possibility of operating the boiler and DHW pump according to a weekly programme
- Legionella protection for the DHW system
- thermal protection device
- SUMMER operation mode
- COMFORT SYSTEM function protecting the pump from scale build up
- boiler protection against freezing and overheating
- temperature sensor damage signalling
- screen brightness control - increased during setting changes
- possibility of connecting a room thermostat

DK System

INTELIGENTNE **ROZWIĄZANIA**

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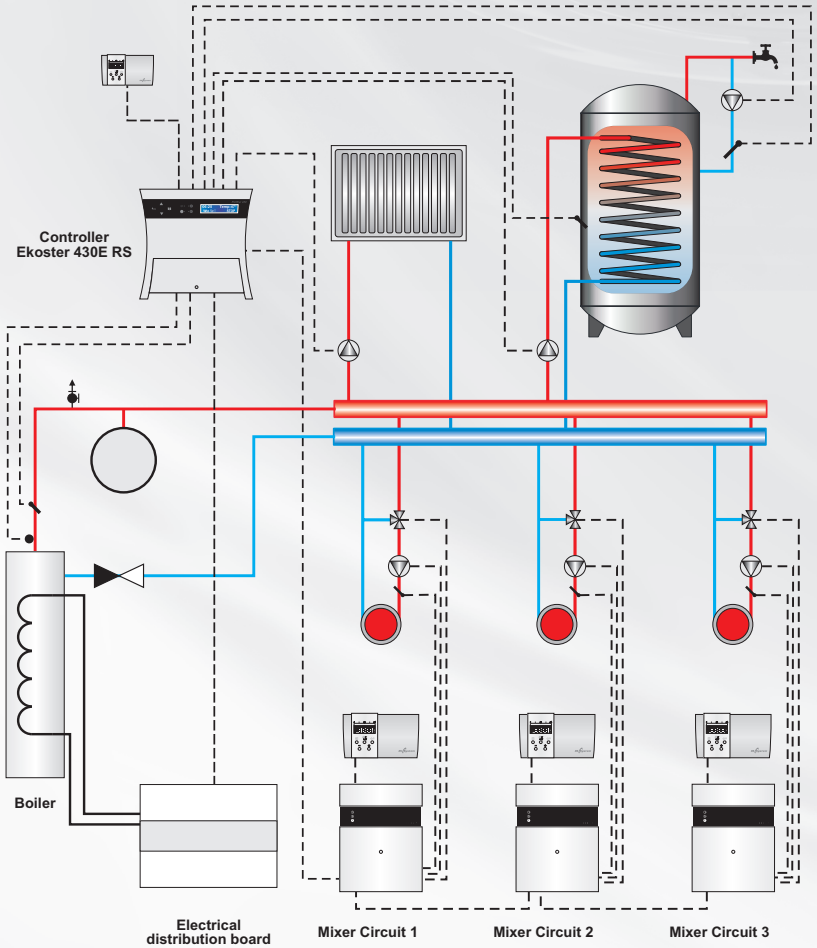
TECHNICAL SPECIFICATIONS	EKOSter 430E RS
Measured temperature range	from - 9 °C to + 120 °C
Boiler temperature setting range	from + 20 °C to + 70 °C
Boiler hysteresis	from 1 °C to 9 °C
DHW boiler temperature setting range	from + 40 °C to + 70 °C
Controlled central heating pump switch on	min. 35 °C
Permissible load on outputs	boiler: 100 W / 230 V central heating pump: 100 W / 230 V DHW pump: 100 W / 230 V circulation pump: 100 W / 230 V
Nominal supply voltage	~ 230 V, 50 Hz
Electrical protection	2 x 5 A
Relative humidity	< 95 %
Enclosure protection rating	IP 20
Ambient temperature	from 0 °C to + 40 °C

CONNECTION DIAGRAM FOR CONNECTING THE CONTROLLER TO THE HEATING SYSTEM



Example heating system install diagram with three connected extension modules DKMZ 1 Mixer Circuit 1 , Mixer Circuit 2 and Mixer Circuit 3. It does not replace a professional design at the installation site.