

UNISTER

Electronic draught regulator



DESCRIPTION OF A CONTROLLER

Electronic draught regulator UNISTER P4 is designed for solid fuel boiler temperature control by opening and closing the air inflow flap to a furnace. Additionally, it controls operation of the circulation pump.

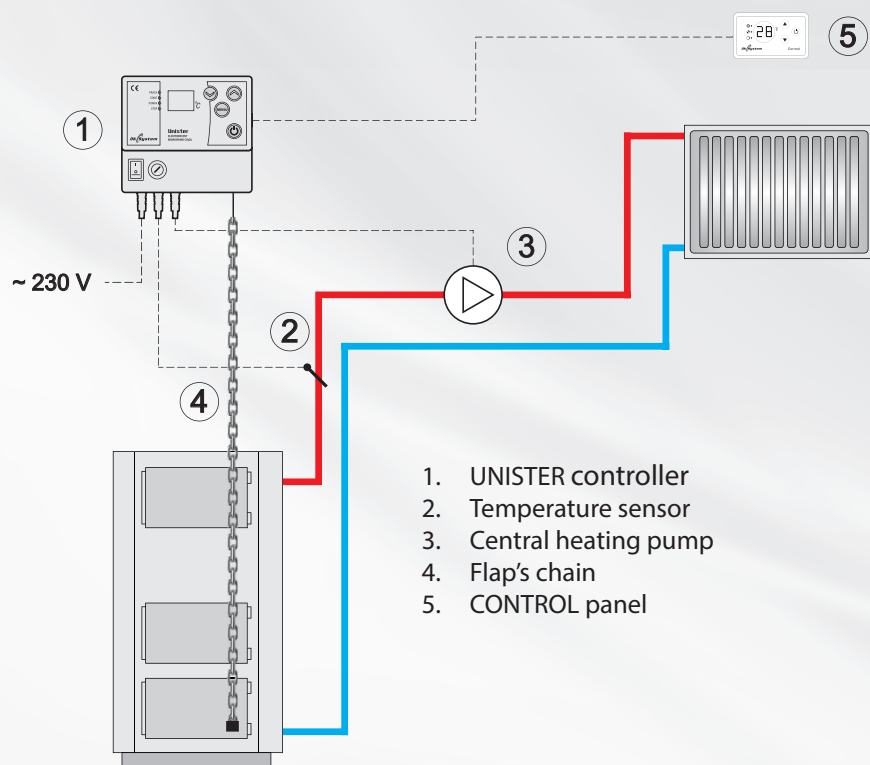
DRAUGHT REGULATOR HAS THE FOLLOWING FEATURES:

- maintaining the preset temperature of a boiler by controlling the air intake
- combustion supporting function using the so-called blow-bys
- automatic control system turn off after extinguishing the boiler
- flap closure in case of a power failure
- air intake closure when adding the fuel to a boiler
- control of the central heating circulation pump
- COMFORT SYSTEM function, which protects the pump against calcification
- protection system against freezing and overheating
- temperature sensor failure alarm
- engine blockage / failure alarm
- adjustable display brightness – increased during settings modification
- ability to connect the remote control panel CONTROL with audible alarm function



TECHNICAL DATA	UNISTER P4
Range of measured temperature	from - 9 °C to + 99°C
Range of temperature settings for a boiler	from + 40 °C to + 85 °C
Hysteresis of the air intake flap hoisting	from 0 °C do 9 °C
Range of temperature settings for central heating pump	from + 35 °C to + 70 °C
Hysteresis of a central heating pump (on/off difference)	2 °C
Adjustable blow-by	operation: 0 - 90 sec. break: 1 - 15 min.
Rated voltage	230 V, 50 Hz
Rated power load	275 W
Output load capacity for the pump	100 W / 230 V
Relative air humidity	< 95 %
Housing protection class	IP 40
Insulation class	I
Dimensions	125 x 115 x 53 mm
Ambient temperature	from 0 °C to + 40 °C
Electric protection	1,25 A
Automatic STOP – when no fuel in a	yes

CONNECTION DIAGRAM OF THE CONTROLLER TO HEATING INSTALLATION



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