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Valves, controls + systems

EN

Return temperature control “Unibox RTL”

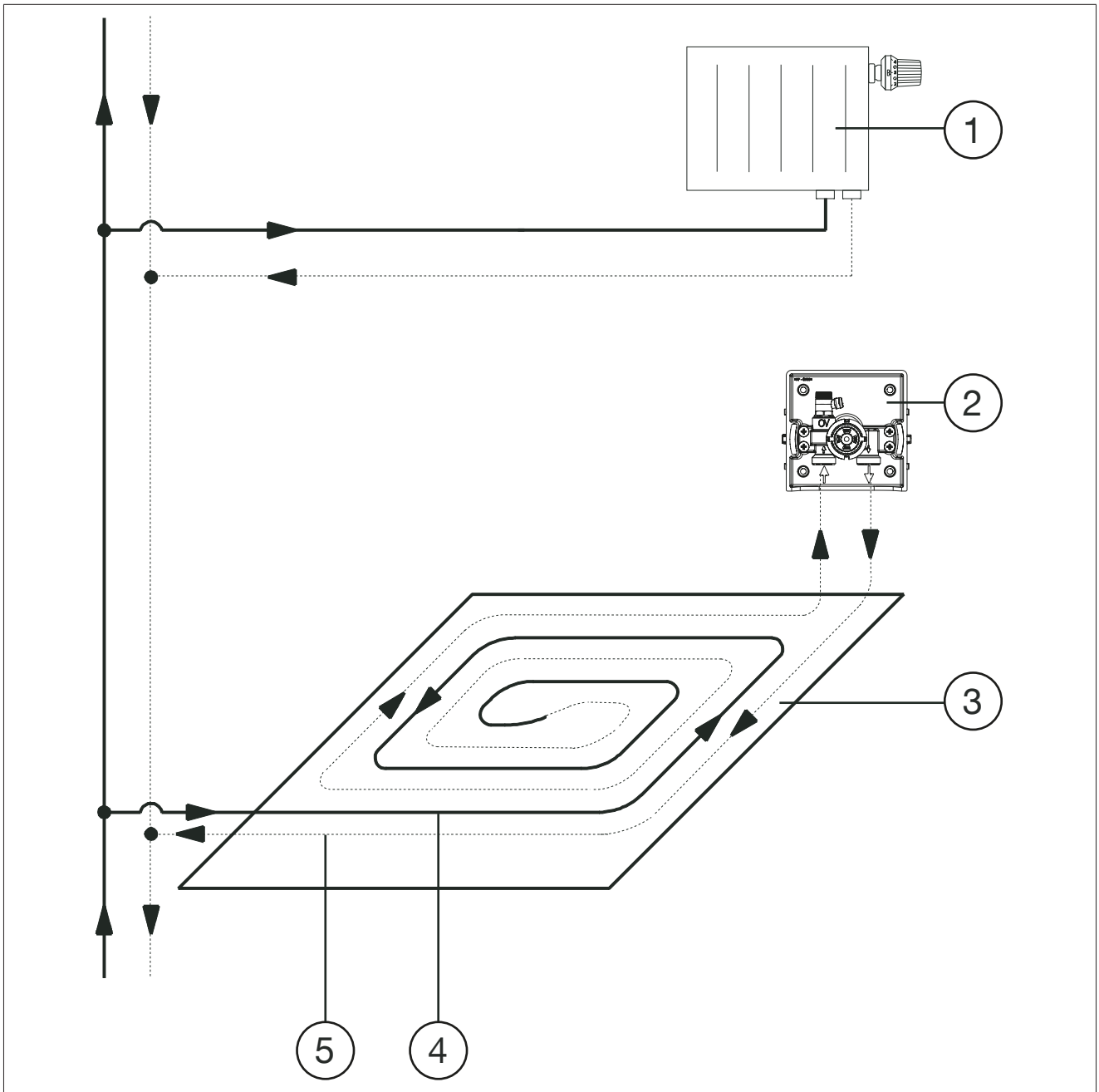
Data sheet

1. Functional description

The “Unibox RTL” is used for return temperature limitation in a surface temperature regulation system. The installation position of the “Unibox RTL” has to be chosen so that heating fluid passes first through the heating circuit and then through the valve of the “Unibox RTL”. On its way from the entry into the heating surface to the “Unibox RTL”, the heating fluid cools down. The fluid temperature is controlled by adapting the flow rate. The return temperature is set at the handwheel of the thermostat. You can modify the surface temperature by turning the handwheel.

	Normally, the “Unibox RTL” is operated in a room with an additional radiator. The surface temperature regulation circuit covers the basic heat demand whereas the radiator takes over the control of the room temperature.

1.1 Connection



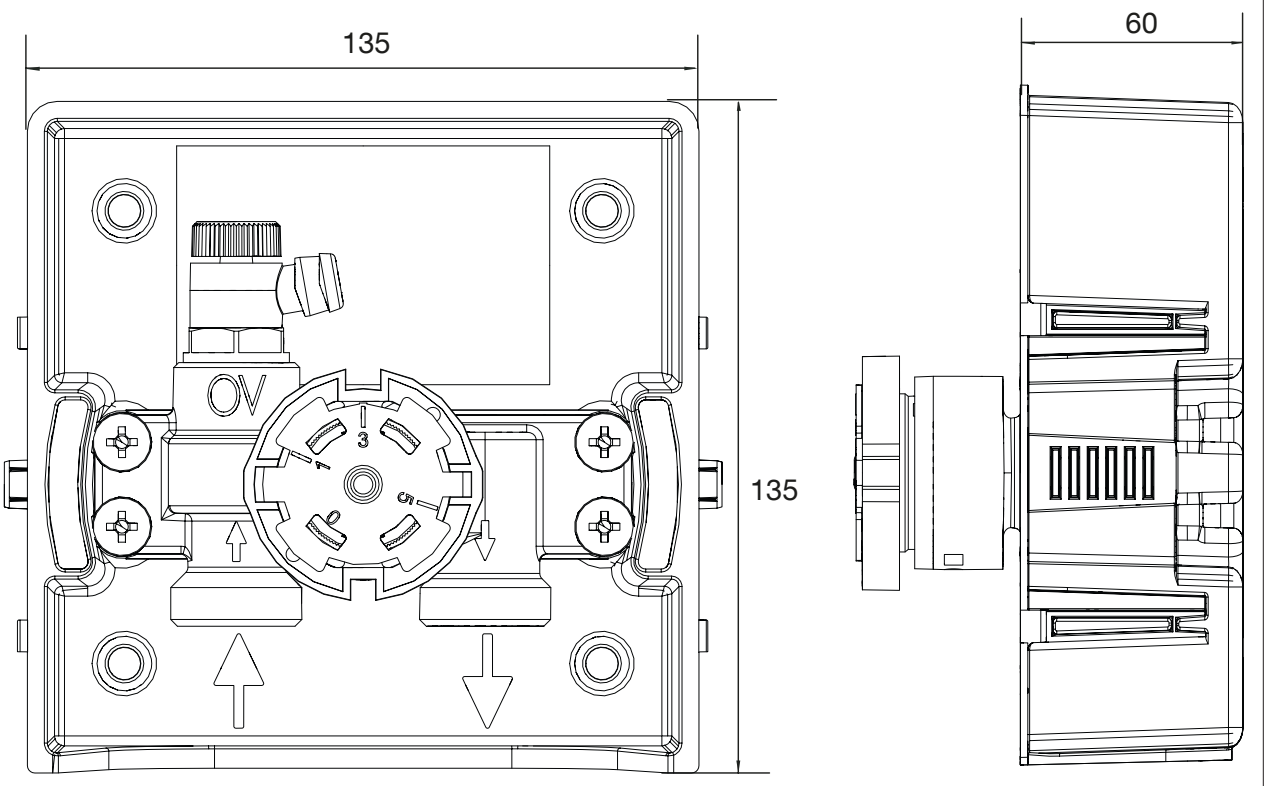
Illust. 1: Connection

(1)	Radiator
(2)	“Unibox RTL”
(3)	Surface temperature regulation circuit
(4)	Supply
(5)	Return

1.2 Technical data

Max. operating temperature t_S	100°C
Max. operating pressure p_S	10 bar
Max. differential pressure	1 bar
Installation depth	60 mm
Thermostat and actuator connection thread	M30x1.5
Fluid	Water, mixtures of water and glycol

1.2.1 Dimensions



Illust. 2: Dimensions “Unibox RTL” in mm (front and side view)

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1022735_DA V01.12.2019