



T5019/T5029

Radiator Thermostats

Style Series

APPLICATION

A Radiator Thermostat is installed onto a Thermostatic Radiator Valve Body (TRV body). The combination of both, the Thermostatic Radiator Valve (TRV), controls the room temperature by adjusting the flow of hot water through a radiator. TRVs are installed in water-based heating systems on the supply or, less commonly on the return connection of radiators. As compared to manual radiator valves, TRVs provide significant energy savings.

Radiator thermostats of this type with liquid sensor fulfil the European Standard EN 215 when used with certified Honeywell Home TRV bodies.

APPROVALS

- EN 215
- Keymark
- TELL A

SPECIAL FEATURES

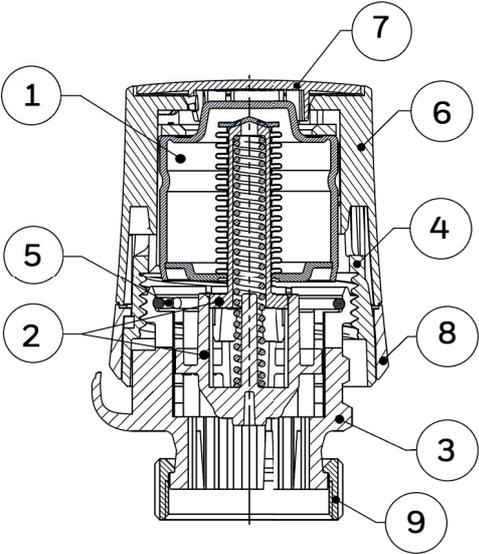
- „A“-class energy efficiency certified according TELL labeling scheme
- Standard M30 x 1.5 connection to the valve body according to EN 215
- Equipped with liquid sensor
- Engineered with structural cage and thin-walled skins for robustness, response speed and easy to clean hygienic design
- Compact size
- Modern, stylish and ergonomic design



TECHNICAL DATA

Connection to valve body	
Standard:	M30 x 1.5 thread
DA:	Snap connection RA valves
Temperature set-point range	
With 0 position:	0 - * - 1 ... 5 1 ... 28 °C
Without 0 position:	* - 1 ... 5 6 ... 28 °C
Operating temperatures ¹	
Closing dimension:	11.5 mm
Specific stroke:	0.22 mm/K
Closing force:	90 N
Max. operating ambient temperature:	40 °C (including when thermostat is set to 0)

CONSTRUCTION

Overview	Components	Materials	
	1	Thermal expansion element	Steel, copper bellows, filled with ethyl acetate
	2	Over-temperature compensating assembly with spring	PA6GF30 and spring steel
	3	Socket	PA6GF30, white RAL 9016
	4	Structural cage	PA6GF30
	5	Spring ring	Spring steel
	6	Thin-wall handle	ABS, white RAL 9016
	7	Cap	ABS, white RAL 9016
	8	Scale ring	ABS, white RAL 9016
	9	Coupling nut	Brass, nickel plated

METHOD OF OPERATION

The thermal expansion element responds to room temperature by expanding or contracting proportionally. The movement is transmitted onto the valve stem. Only the amount of water required to maintain the room temperature set on the thermostat flows into the radiator.

TRANSPORTATION AND STORAGE

Keep parts in their original packaging and unpack them shortly before use.

The following parameters apply during transportation and storage:

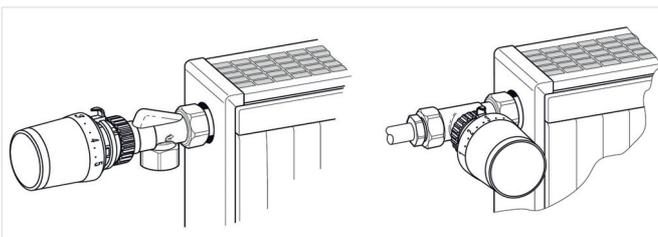
Parameter	Value
Min. ambient temperature:	-20 °C
Max. ambient temperature:	50 °C
Min. ambient relative humidity:	25 %
Max. ambient relative humidity:	85 %

INSTALLATION GUIDELINES

Setup requirements

- Mount the thermostat to the radiator valve with a torque of about 10 Nm
- Horizontal orientation is recommended

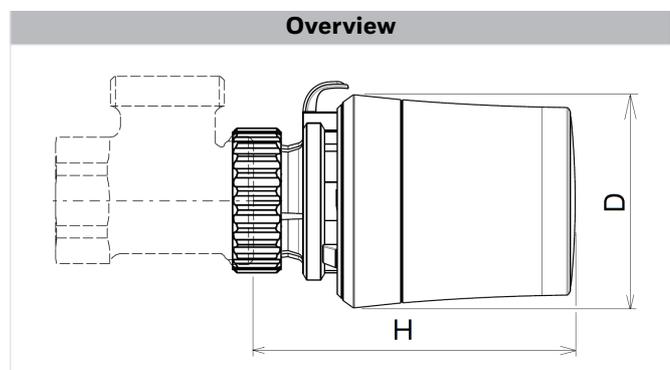
Installation Example



TECHNICAL CHARACTERISTICS

EN 215 Parameter	Value
Hysteresis	0.4 K
Influence of differential pressure:	0.22 K
Influence of heating medium:	0.8 K
Response time:	23 min

DIMENSIONS



Parameter	Values	
Dimensions:	ØD	50
	H	78 (fully open)

Note: All dimensions in mm unless stated otherwise.

ORDERING INFORMATION

The following tables contain all the information you need to make an order of an item of your choice. When ordering, please always state the type, the ordering or the part number.

Options

Connection	EN215 certified	Colour	OS-No.
M30 x 1.5	•	white	T5019W0
M30 x 1.5	•	white	T5019
DA (RA-type)		white	T5019DAW0
DA (RA-type)		white	T5019DA
M30 x 1.5	•	white/chrome	T5029W0
M30 x 1.5	•	white/chrome	T5029

Accessories

	Colour	Dimension	Part No.
	VA8210	Tool for assembly of radiator thermostats	
			VA8210A001
	TA1000A	Decorating for connection nut	
		white (RAL9016) 10 pair, 20 pieces	TA1000A001
		chrome 10 pair, 20 pieces	TA1000A002
	TA6900A	Theft - protection ring	
		white (RAL9016)	TA6900A001

For more information

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Subject to change

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