oventrop

vindo TH

Operating instructions EN

vindo TH
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1. General information

The original operating instructions are written in German.

The operating instructions in other languages have been translated from German.

1.1 Validity of the instructions

These instructions are valid for the vindo TH thermostat.

1.2 Scope of delivery

- Thermostat
- Operating instructions

1.3 Contact

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Technical service
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1.4 Symbols used

	Highlights important information and further additions.
▶	Action required
•	List
1 2	Fixed order. Steps 1 to X.
▷	Result of action

2. Safety-related information

2.1 Intended use

Operational safety is only guaranteed if the product is used as intended.

The thermostat is intended to be fitted on a thermostatic valve in hot water central heating systems or cooling systems to control the room temperature.

Any use beyond and/or different from this is considered unintended use.

Claims of any kind against the manufacturer and/or his authorised representatives for damage resulting from unintended use cannot be recognised.

Intended use also includes correct compliance with these instructions.

2.2 Warnings

Each warning contains the following elements:

Warning symbol **SIGNAL WORD**

Type and source of danger!
Possible consequences if the danger occurs or the warning is ignored.

! Ways to avoid the danger.

Signal words define the severity of the danger posed by a situation.

⚠ CAUTION

Indicates a possible danger with lower risk. If the situation is not avoided, minor and reversible bodily injuries will result.

NOTICE

Indicates a situation that can potentially result in damage to property if not avoided.

2.3 Safety instructions

We have developed this product in accordance with current safety requirements.

Observe the following instructions for safe use.

2.3.1 Risk of injury on hot components and surfaces

! Allow the relevant system section to cool down before working on it.

2.3.2 Availability of the operating instructions

Every person who works with this product must have read and apply this manual and all applicable instructions.

The instructions must be available at the place of use of the product.

! Pass on these instructions and all applicable instructions to the operator.

3. Technical description

3.1 Design

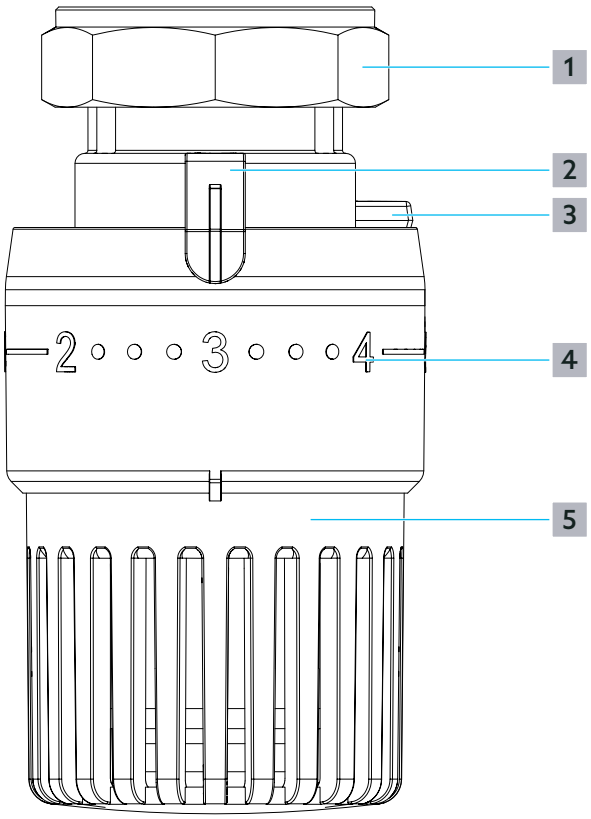

Fig. 1: Design

1 Fixing nut M 30 x 1.5
2 Setting mark (with palpable setting aid in the form of a bar)
3 Limiting elements
4 Figure
5 Handwheel

3.2 Technical data

Technical data	
Connection thread	M 30 x 1.5
Control range	+7 °C - +28 °C
Indicative scale	0 ✱ 1 - 5
Sensor element	Liquid sensor
Sensor temperature	max. +50 °C
Heating medium temperature	max. +120 °C

4. Transport and storage

Temperature range	-10 °C to +50 °C
Relative air humidity	max. 95 % non-condensing
Particles	Store in a dry and dust-protected place
Mechanical influences	Protected from mechanical shock
Radiation	Protected from UV-rays and direct sunlight
Chemical influences	Do not store together with solvents, chemicals, acids, fuels or similar substances

5. Installation

⚠ CAUTION

Risk of burns on hot components!
Touching hot components can cause burns.
- ! Allow the system to cool down.
- ! Wear safety gloves.

A prerequisite for correct control is that the room air can flow freely around the thermostat.

1. Turn the handwheel (position 5 in Fig. 1 on page 5) anticlockwise until figure "5" (position 4 in Fig. 1 on page 5) is aligned with the setting mark (position 2 in Fig. 1 on page 5). This will cause the tappet in the thermostat to be fully retracted.
2. Align the thermostat so that the setting mark points upwards or is clearly visible.
3. Screw the thermostat with the fixing nut (position 1 in Fig. 1 on page 5) onto the thread of the thermostatic valve. Tighten the fixing nut firmly.

6. Operation

6.1 Setting of the temperature

▶ To set the desired room temperature, turn the handwheel (position 5 in Fig. 1 on page 5) until the desired figure (position 4 in Fig. Fig. 1 on page 5) is aligned with the setting mark (position 2 in Fig. 1 on page 5).

Note the correspondences between the respective figures and the desired room temperature in Fig. 2 on page 6.

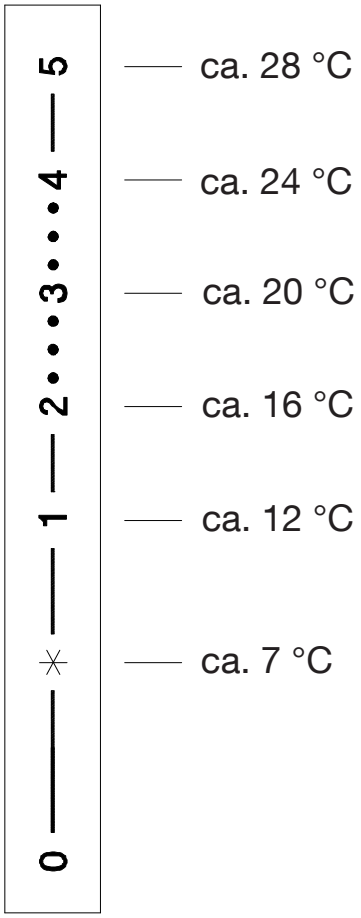

Fig. 2: Figures and room temperature

6.2 Lowering of the temperature

To save heating costs, you should lower the room temperature, e.g. at night or during longer absences.

When the frost protection setting ✱ is selected, the thermostat opens the valve a little to prevent the fitting and system components from freezing when the room temperature drops below 7 °C.

▶ Set the thermostat to position ✱.

6.3 Complete shutoff

▶ To shut off the thermostat completely, set the handwheel to the "0" position.

NOTICE

Damage to the fitting due to freezing!
In the "0" position, the fitting may freeze if the room temperature falls below freezing.

! Use the frost protection setting ✱ when the room temperature may drop below freezing.

6.4 Airing

Use the frost protection setting ✱ while airing your room.

6.5 Limitation of the control range

For the desired room temperature control, the thermostat has two limiting elements (position 3 in Fig. 1 on page 5) with which the comfort range can be set individually.

The thermostat can be limited to any graduation line, any figure and the frost protection setting.

Example: The desired room temperature control range should be between approx. 16 °C (figure "2") and approx. 24 °C (figure "4").

The limiting elements are accessible from the outside, inside the handwheel between figure "5" and "0".

1 Turn the handwheel until a figure within the desired control range is aligned with the setting mark.

2 Push the limiting elements out of the handwheel with a suitable tool or e.g. a ball pen.

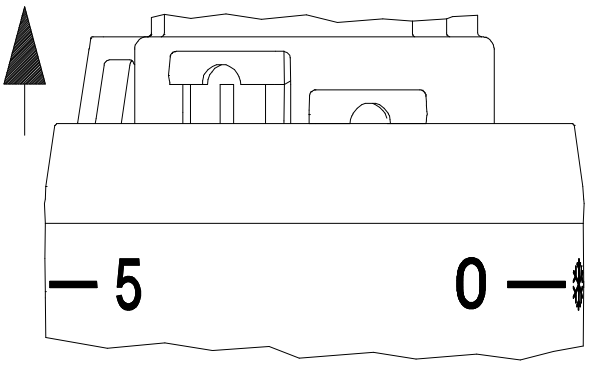

Fig. 3: Removal of the limiting elements

3 For the lower limitation of the control range, e.g. to figure "2", insert a limiting element into the groove before figure "2". (The groove directly opposite figure "2" thus remains free.)

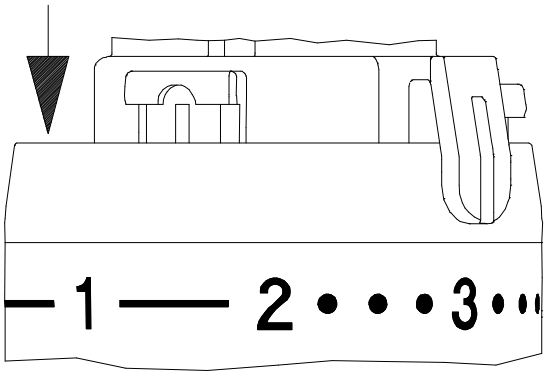

Fig. 4: Lower limitation of the control range

4 For the upper limitation of the control range, e.g. to figure "4", insert a limiting element into the groove after figure "4". (The groove directly opposite figure "4" thus remains free.)

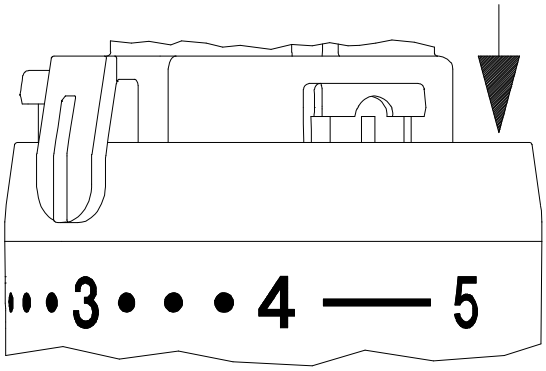

Fig. 5: Upper limitation of the control range

▶ To cancel the limitations, slide the limiting elements out of the respective lower and upper position and reinsert them in the position between figures "5" and "0".

6.6 Blocking of a setting

The thermostat can be blocked on any graduation line, any figure and the frost protection setting.

If a setting is to be blocked, e.g. to figure "3" (approx. 20 °C), i.e. if no accidental temperature change is to take place, proceed as follows:

1 Turn the handwheel until the desired figure is aligned with the setting mark.

2 Push the limiting elements out of the handwheel with a suitable tool or e.g. a ball pen.

3 Insert the limiting elements into the grooves to the left and right of the figure.

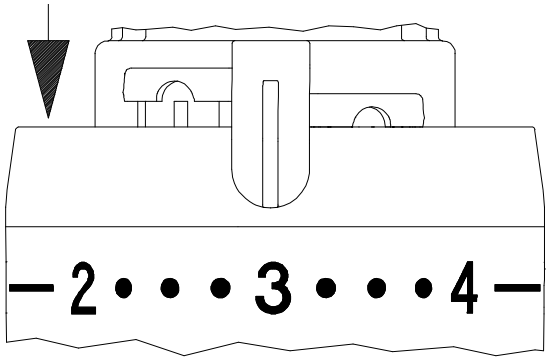

Fig. 6: Blocking

To cancel the blocking, slide the limiting elements out of the respective position and reinsert them in the position between figures "5" and "0".

7. Cleaning

NOTICE

Aggressive cleaning agents can damage the surface of the thermostat!

- ! Do not use scouring powder or plastic-dissolving cleaning agents for cleaning.
- ! Clean the surface of the thermostat with a soft cloth if necessary. In case of heavy soiling, lightly moisten the cloth in water with mild detergent.

8. Disposal

NOTICE

Risk of environmental pollution!
Incorrect disposal can lead to environmental damage.

- ! Dispose of packaging materials in an environmentally friendly manner.
- ! If possible, recycle the components.
- ! Dispose of non-recyclable components according to local regulations.

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Wir regeln das. Seit 1851.

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