Technische Alternative RT GmbH

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CE

RASPT
Vers. 1.2 EN
Manual version 3

Room sensor

Functionality and mode of operation:

The room sensor **RASPT** was specially developed for Technical Alternative heating control units and is intended for mounting in the living area (reference space). The room sensor should not be installed near a source of heat or near a window. It is only suitable for operation in dry rooms.

RASPT provides the possibility of changing the room temperature in heating mode by approximately +/- 4°C and making the selection between the individual operating modes (normal, lowered or automatic mode or frost protection). The heating control unit receives the following information and then determines the operating mode.

- ♦ Automatic mode   = Room temperature +/- rotary knob
- ♦ Normal mode   = Room temperature + 51.2°C +/- rotary knob
- ♦ Lowering mode   = Room temperature + 102.4°C +/- rotary knob
- ♦ Standby mode   = Room temperature + 153.6°C+/- rotary knob

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Switching between different operating modes:

- ● *Automatic mode*   🕐
- ● *Normal mode*   ☀
- ● *Lowering mode*   ☾
- ● *Standby mode*   ☉
- ● *Changing the room temperature by +/- 4°C*

Turning the temperature selection knob in the "**+**" direction **reduces** the display value of the room temperature at the heating control unit by the difference and vice-versa.

Mounting and connection

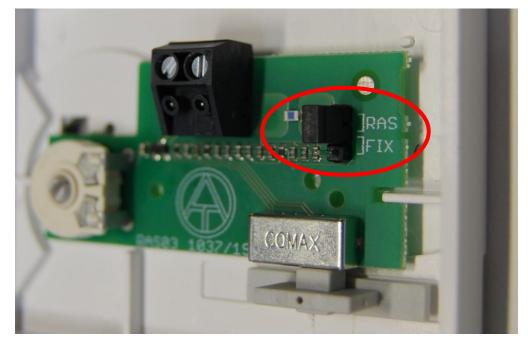The device must only be installed in a **dry** interior room.

The room sensor must be opened for mounting. A small screwdriver is used to press in the clamps beneath the temperature selection knob and sliding switch while simultaneously raising the cover. The base plate can now be easily mounted. Once an electrical connection has been made, the cover is replaced on the lower part.

The room sensor is connected with a two core cable to the controller like a normal sensor. The connection polarity is unimportant. For easier handling, the screw terminal can be withdrawn from the terminal block.

Use as a remote control

If the installation location of the room sensor is unsuitable as a reference space, then the **RASPT** can also be used just as a **remote control**:

By using a jumper in the housing interior a fixed value of **20°C** can be set instead of the measured room temperature (**RAS -> FIX**). Thus using the rotary knob and the switch, the room sensor takes on the characteristic of a pure remote control.

Technische gegevens

Afmetingen: Breedte: 81,5 mm, Hoogte: 81,5 mm, Diepte: 18 mm
Beschermingsklasse: IP 20
Toelaatbare omgevingstemp.: 0°C – 40°C

The **RASPT** room sensor has the temperature characteristic curve of a Pt1000 sensor.