**Manuals+** — User Manuals Simplified.



# homematic IP HAP Radiator Thermostat Instruction Manual

**Homematic IP Radiator Thermostat – Evo, anthracite
Installation and brief instructions**

**Contents**

**HAP Radiator Thermostat**

**https://homematic-ip.com/sites/default/files/downloads/hmip-etrv-e-a-um-web.pdf**

Proceed to the detailed manual
HmIP-eTRV-E-A // 158430 // V1.1 (11/2022)
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Read the manual carefully and keep it in a safe place.

⚠ Attention! This indicates a hazard.

ⓘ Additional important information.
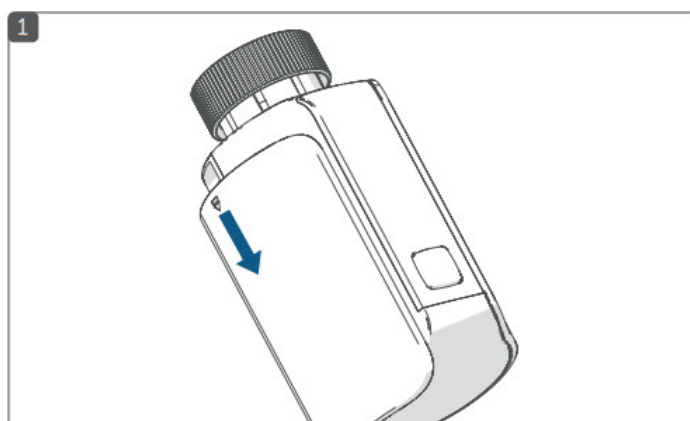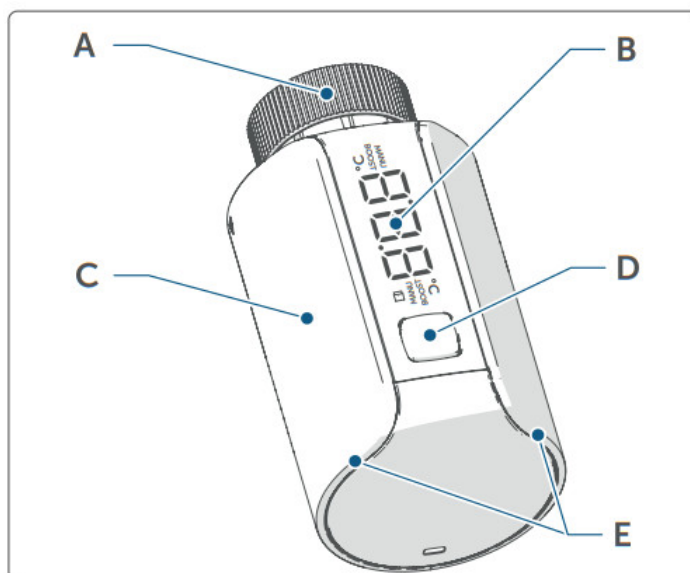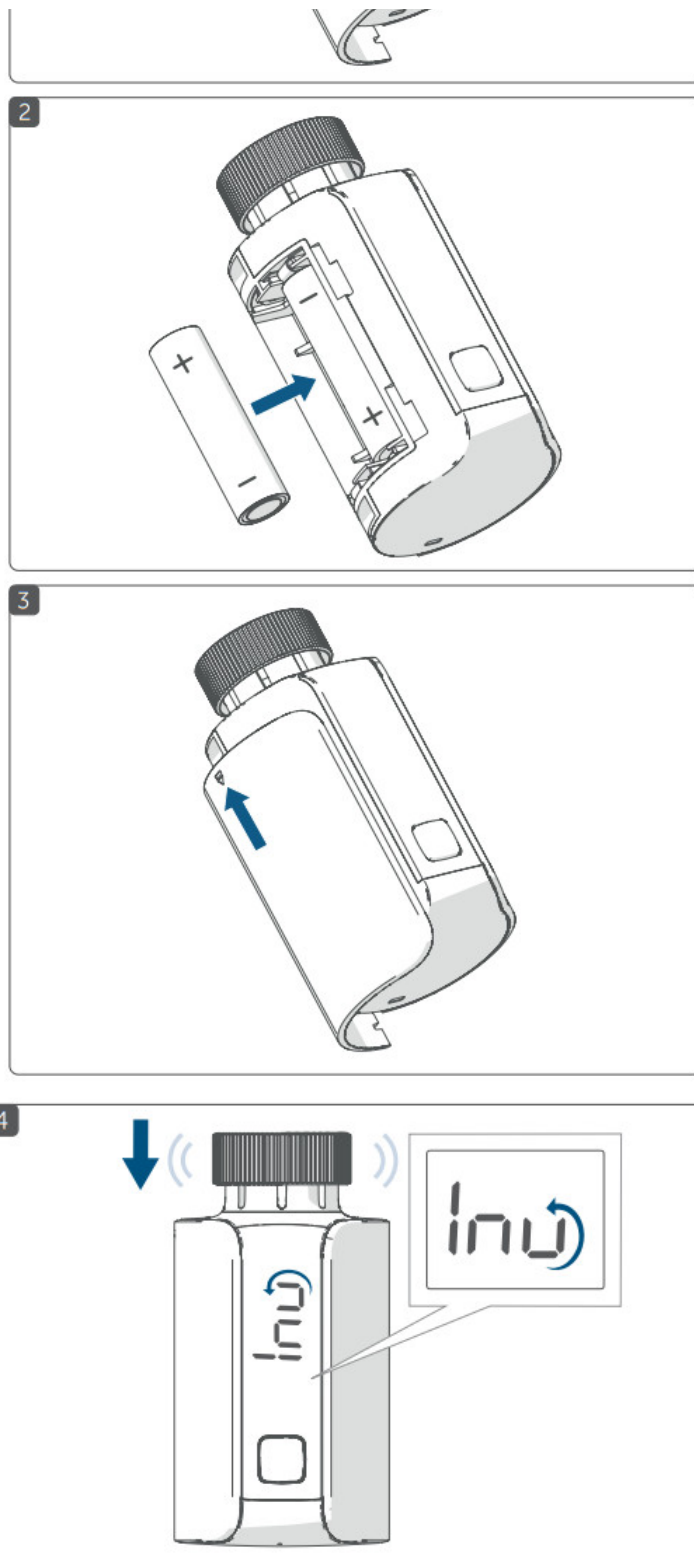
📖 Detailed manuals for… //

## Device overview

A Metal nut
B Display
C Battery compartment (and cover)
D System button (teach-in button and device LED)
E Temperature adjustment via slight rotation (to the right or left)
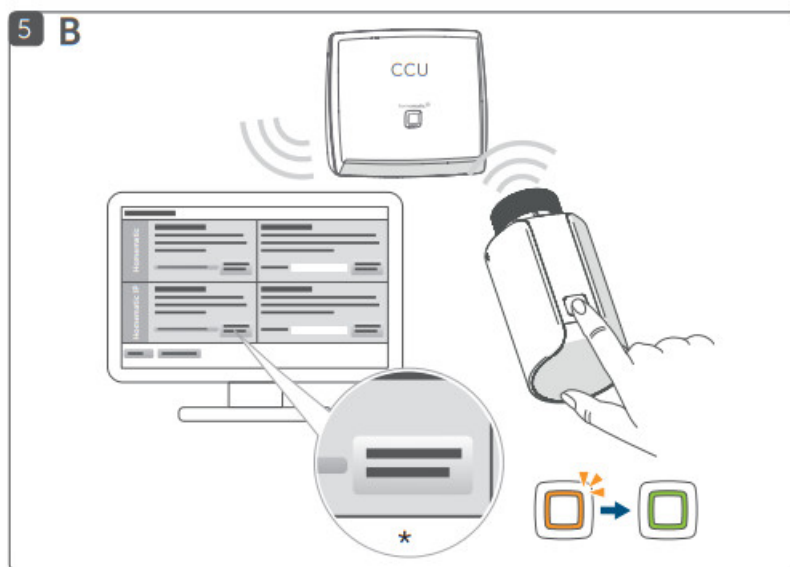
## Connect device to
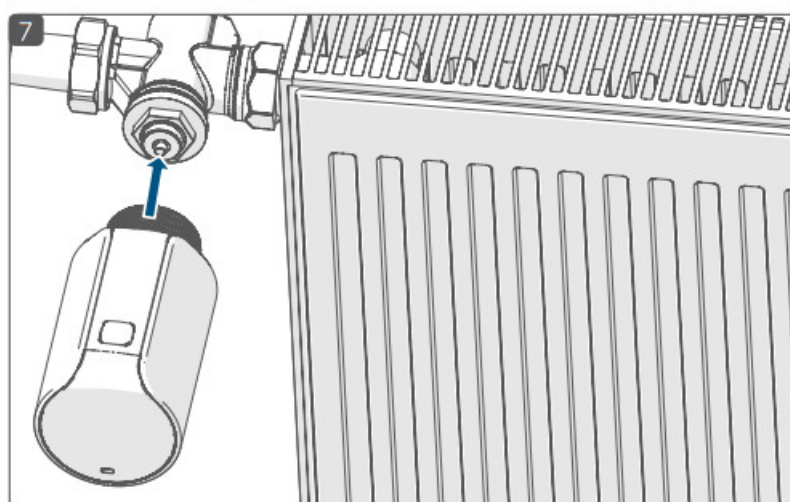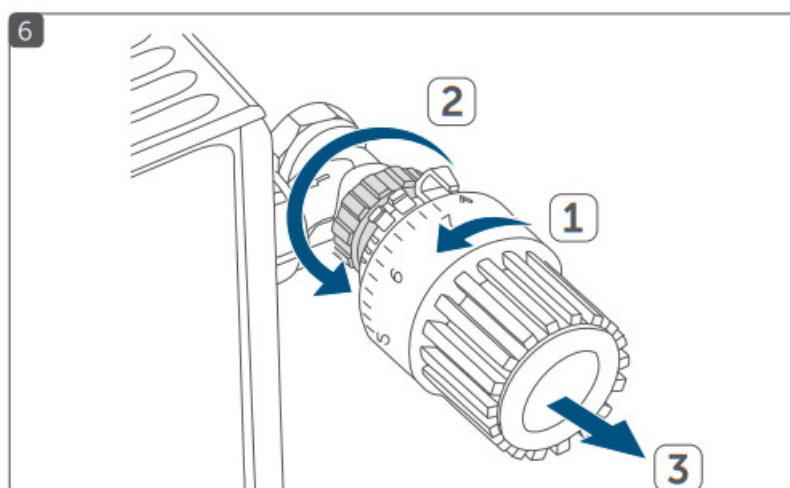
A Homematic IP Access Point (Cloud)
B  Central Control **Unit**

## 5 B



*HmIP-Gerät anlernen // Teach-in HmIP device

## 6



## 7
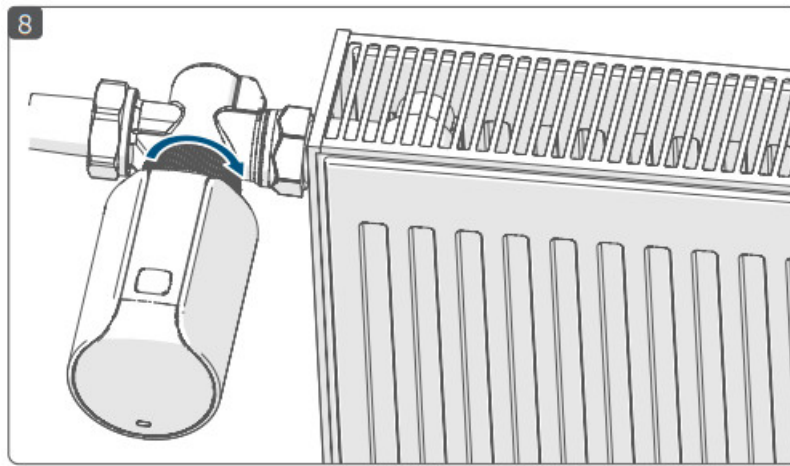
**Tip:** To make installation easier, you can press a button in the battery compartment (after removing the batteries) while fastening the metal nut on the heating valve.
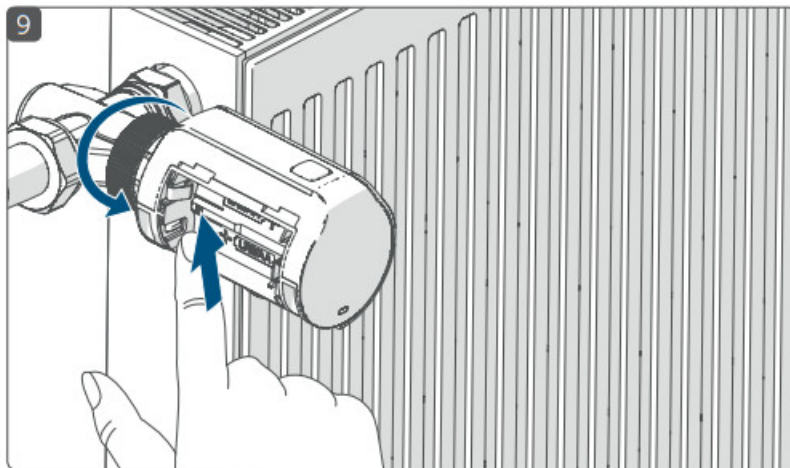


Use the enclosed support ring if the radiator thermostat is too loose.
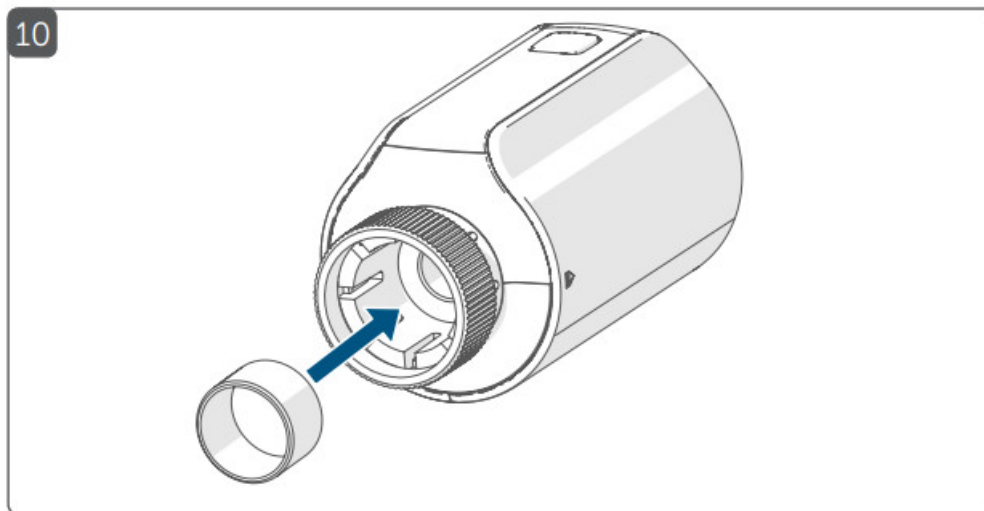


Adaption run
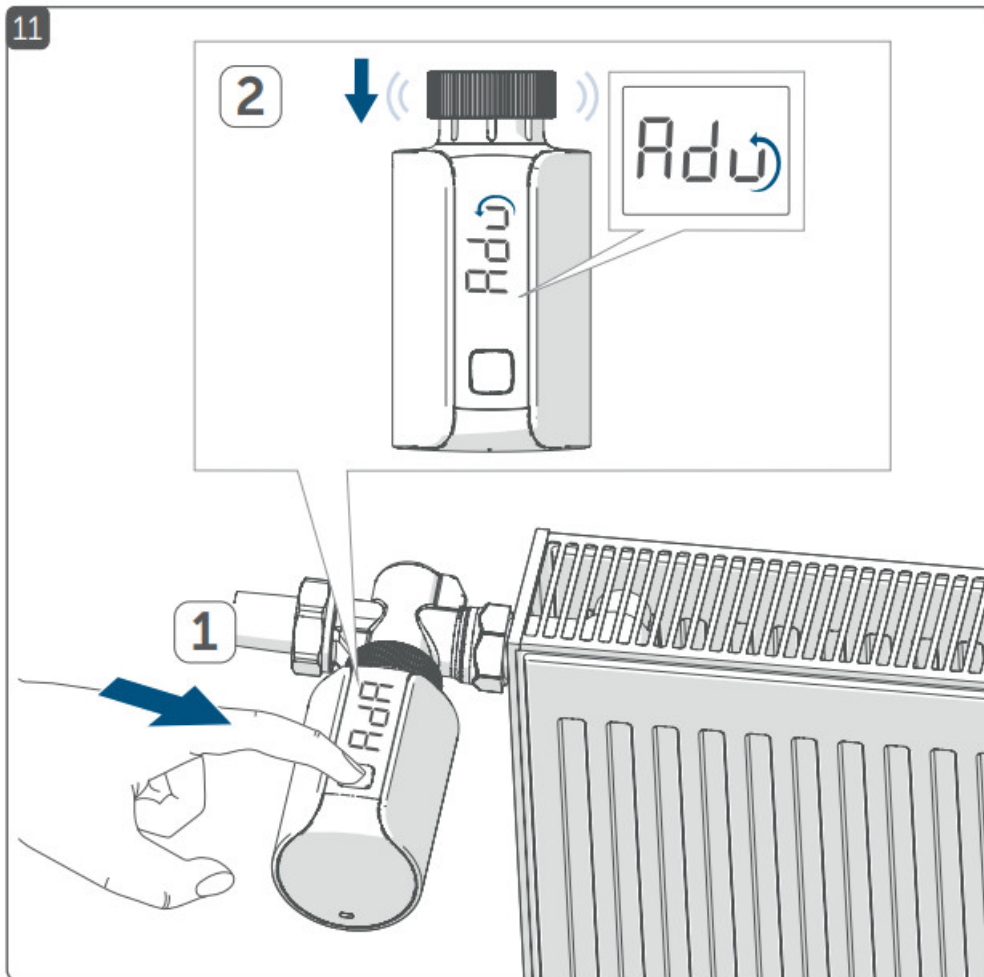
⚠️ If the display backlight is off, you must press button (D) a second time to start the adaption run.
Rotate display by 180°
Press the system button (D) and at the same time turn the temperature control dial (E) in the direction in which you want the display to turn.



## Set-up system:

A Homematic IP Access Point (Cloud)
B  Central Control Unit

## Function

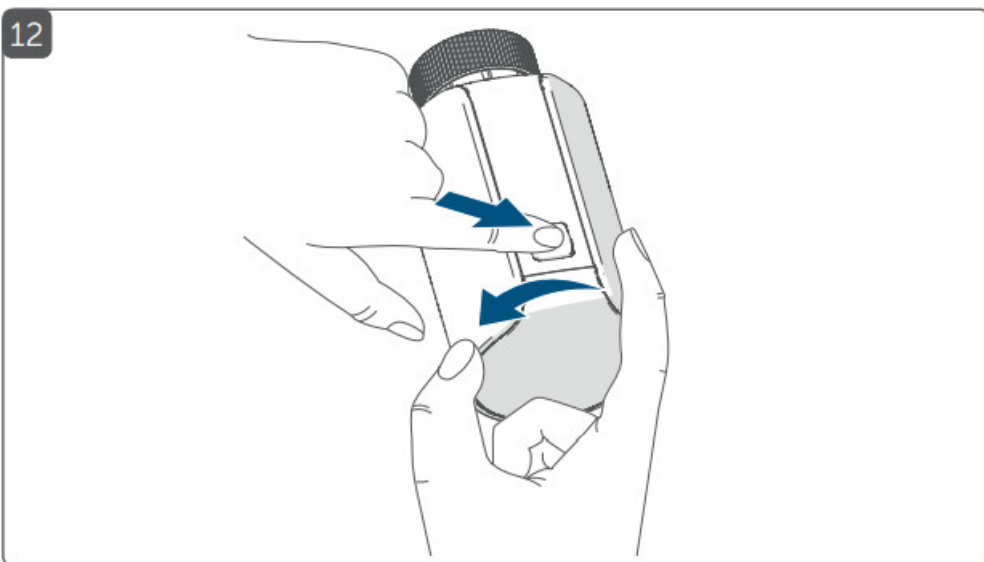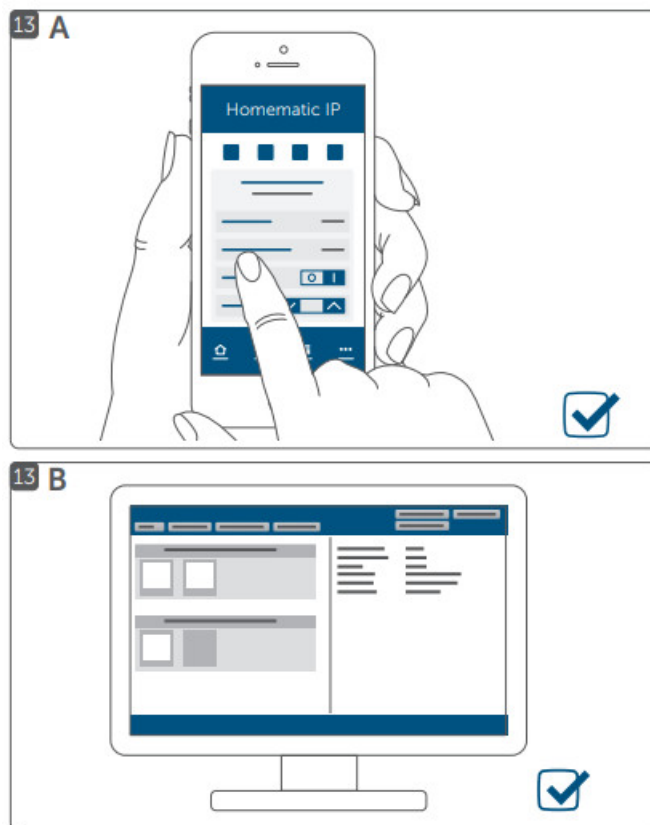This device is part of the Homematic IP smart home system and works with the Homematic IP radio protocol. All devices of the Homematic IP system can be configured comfortably and individually with a smartphone via the Homematic IP app. Alternatively, you have the option of operating Homematic IP devices via the CCU3 or in conjunction with many partner solutions. The available functions provided by the system in combination with other components are described in the Homematic IP User Guide. With the Homematic IP Radiator Thermostat you can conveniently regulate the room temperature in your smart home via the Homematic IP smartphone app according to your personal needs.

Individual temperature profiles can easily be created via the app – with up to 3 configurable heating profiles and 13 changes per day. Alternatively, the temperature can be set intuitively directly on the device itself. With the additional boost function, cool rooms can be heated within short by opening the heating valve. Thanks to the rotatable display and the modern housing design, the radiator thermostat perfectly fits to any home interior.

Open windows or doors are detected via the open-window detection or even more precise in combination with the Homematic IP Window and Door Contact. The heating temperature is automatically reduced to avoid any waste of energy. The individual comfort is established again as soon as the window is closed.

The radiator thermostat fits to all common radiator valves and is easy to mount – without having to drain any water or intervene in the heating system. Further information on valve adapters and all technical documents as well as updates can be found at **www.homematic-ip.com**.

## Notes on operation

[i] Please note that the room temperature control via the radiator thermostat is designed for a two-pipe heating system with one feed and return line per radiator. Use in single-pipe heating systems can lead to strong deviations in the set temperature due to fluctuations in the flow temperature.

⚠ In case of visible damage of the existing radiator, valve or heating pipes, consult a specialist.

⚠ **Caution!** There is a risk of explosion if the battery is not replaced correctly. Replace only with the same or equivalent type. Never recharge non-rechargeable batteries. Do not throw the batteries into a fire. Do not expose batteries to excessive heat. Do not short-circuit batteries. Doing so will present a risk of explosion.

⚠ **Caution!** Avoid skin and eye contact with leaking batteries! Wear suitable protective gloves when removing leaking batteries and residues from a device! In case of skin contact flush with plenty of water!

## Declaration of conformity

eQ-3 AG, Maiburger Straße 29, 26789 Leer, Germany hereby declares that the radio equipment type Homematic IP HmIP-eTRV-E-A is compliant with Directive 2014/53/EU.
The full text of the EU declaration of conformity is available at **www.homematic-ip.com**.



Danfoss RA

Danfoss RAV

Danfoss RAVL
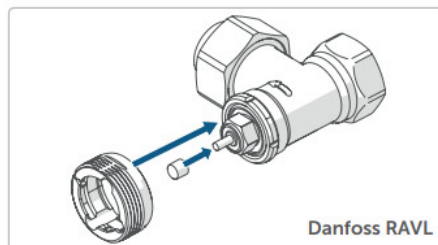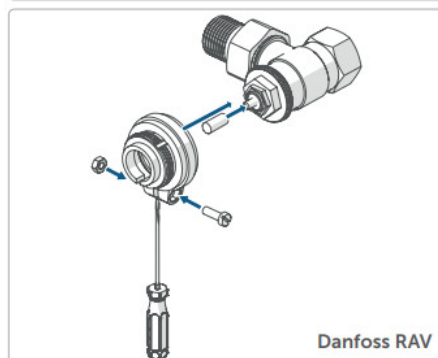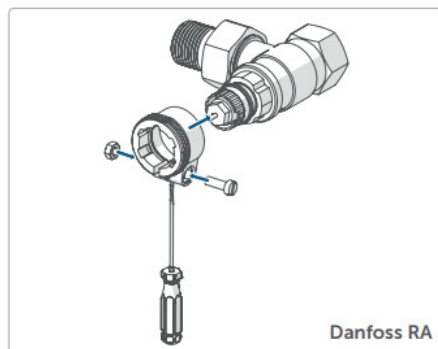
## Technical specification

| Device short name | Values |
|---|---|
| Supply voltage | HmIP-eTRV-E-A 158431 |
| Current consumption (max.) | 2x 1,5 V LR6/Mignon/AA |
| Battery life in years (type) | 500 mA |
| Degree of protection | 2 |
| Degree of pollution | IP20 |
| Ambient temperature | 2 |
| Dimensions (W x H x D) | 0 to 50 °C |
| Weight (including batteries) | 53 x 55 x 94 mm |
| Radio frequency | 190 g |
| Maximum radiated power | 868.0-868.6 MHz/869.4-869.65 MHz |
| Receiver category | 10 dBm |
| Typ. open area RF range | SRD category 2 // SRD catégorie 2 |
| Duty cycle | 230 m |
| Construction of the regulation and control unit | < 1 % per h / < 10 % per h |
| Method of operation | independently mounted electronic regulation and control unit / / |
| Software class | type 1 |
| Connection | class A |
| Controlling torque | M30 x 1,5 mm |
| Valve travel | > 80 N |
| Maximum travel position | 4,3 ± 0,3 mm |
| Minumum travel position | 14,3 ± 0,3 mm |
|  | 10,0 ± 0,3 mm |

## Subject to technical changes

homematic IP

## Documents / Resources



**homematic IP HAP Radiator Thermostat** [pdf] Instruction Manual
HAP, HAP Radiator Thermostat, Radiator Thermostat, Thermostat

## References

- **Startseite - eQ-3**
- **Home page | Homematic IP**