

AVATTO WT400S-3A-B

AVATTO Smart Wi-Fi Thermostat (Model WT400S-3A-B) Instruction Manual

For Electric Floor Heating Systems

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your AVATTO Smart Wi-Fi Thermostat, Model WT400S-3A-B. This thermostat is designed to regulate room temperature for electric floor heating systems, offering advanced features such as programmability, remote control via smartphone applications, and voice control compatibility with smart home assistants.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Smart Wi-Fi Connectivity:** Control your thermostat remotely via the 'Smart Life' or 'Tuya Smart' application on your smartphone.
- **Voice Control:** Compatible with Amazon Alexa and Google Home for convenient hands-free operation.
- **Programmable Modes:** Supports manual mode and programmable schedules (5+2, 6+1, or 7-day options) with multiple temperature settings per day.
- **Temperature Calibration:** Adjust temperature readings for accuracy if there is a discrepancy between the thermostat and actual room temperature.
- **Adjustable Screen Brightness:** Three levels of brightness to choose from, ensuring comfort and preventing disturbance during sleep.
- **NTC Temperature Sensors:** Integrated sensors provide precise temperature regulation for a comfortable heating environment.
- **Safety Features:** Includes child lock, power-off memory, and antifreeze protection.
- **Wide Temperature Range:** Operates within 5°C to 70°C with a temperature accuracy of $\pm 0.5^{\circ}\text{C}$.

2.2 Package Contents

- 1 x AVATTO Smart Wi-Fi Thermostat
- 2 x Mounting Screws

- 1 x User Manual (English and German)

2.3 Thermostat Display Elements

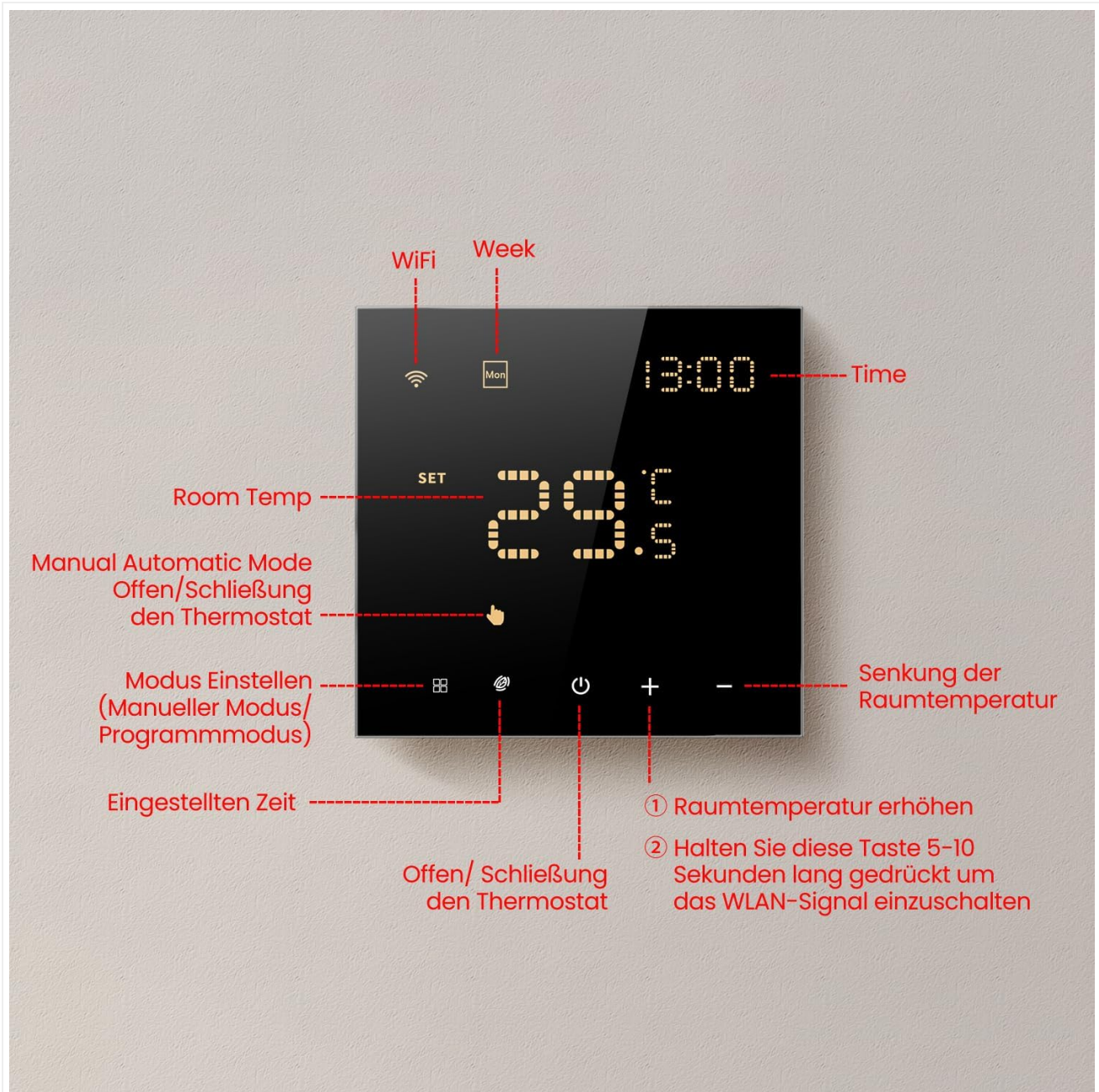


Image: Labeled display elements of the AVATTO Smart Wi-Fi Thermostat. This image illustrates the various indicators and controls on the thermostat's screen, including Wi-Fi status, current time, room temperature, manual/automatic mode, temperature adjustment buttons, and the power button.

- **Wi-Fi Icon:** Indicates Wi-Fi connection status.
- **Week/Day Indicator:** Shows the current day of the week.
- **Time:** Displays the current time.
- **Room Temp:** Shows the detected room temperature.
- **SET:** Indicates the target temperature setting.
- **Manual/Automatic Mode:** Icon to switch between manual and programmed operating modes.
- **Power Button:** Turns the thermostat on or off. Press and hold for 5-10 seconds to activate Wi-Fi pairing mode.
- **Temperature Adjustment Buttons (+/-):** Increases or decreases the temperature setting.

3. SETUP

3.1 Installation and Wiring

The AVATTO Smart Wi-Fi Thermostat is designed for electric floor heating systems. Ensure that the power supply is disconnected before beginning installation to prevent electrical shock.

1. Prepare a suitable wall mounting box (dimensions provided in the diagram).
2. Connect the thermostat wiring according to the diagram below. This thermostat is compatible with 110-240V electric actuators.
3. Secure the thermostat to the wall mounting box using the provided screws.

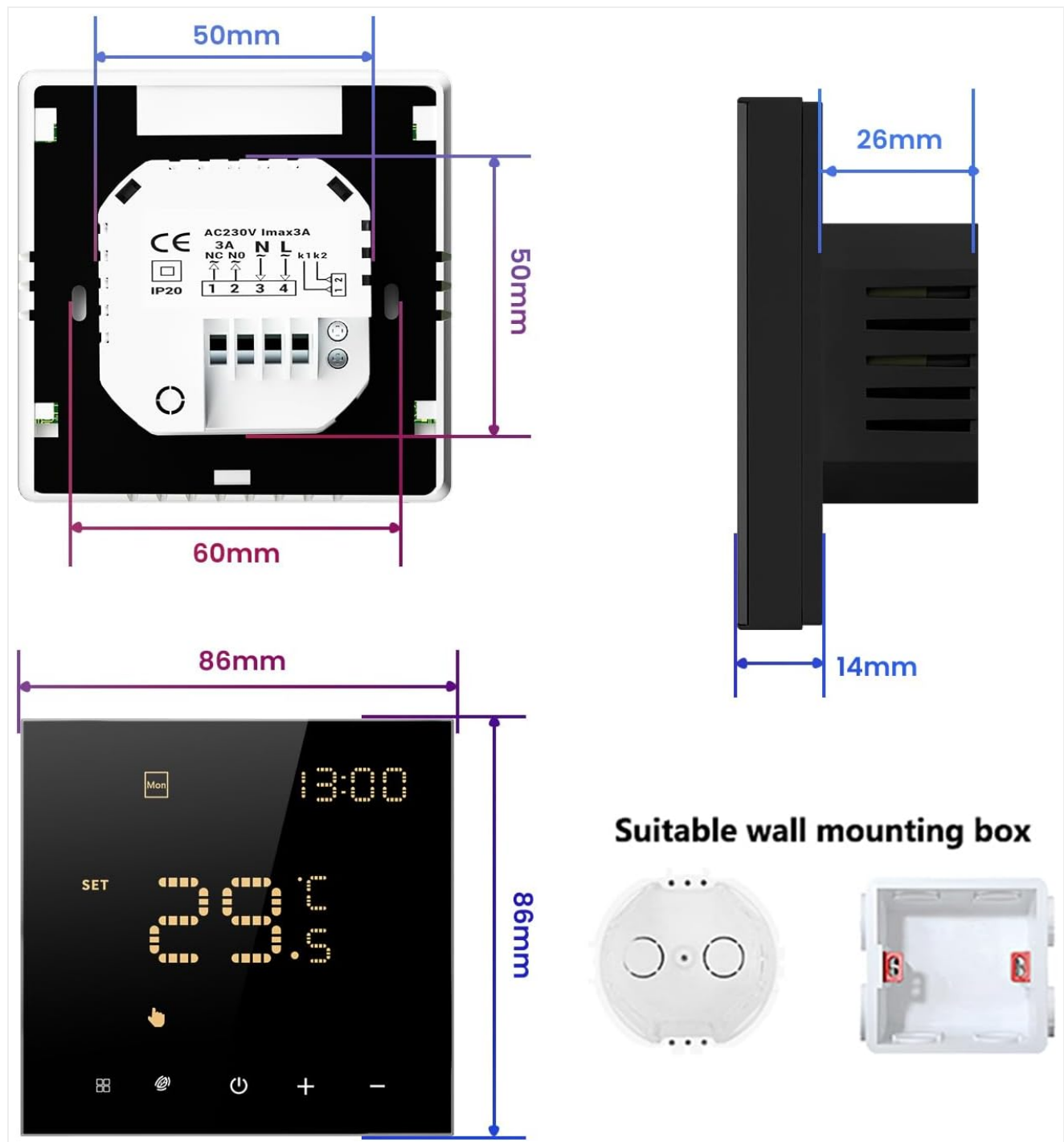


Image: Dimensions and wiring connections for the AVATTO Smart Wi-Fi Thermostat. The diagram shows the physical dimensions of the thermostat (86mm x 86mm x 26mm) and the wiring terminal block with labels for N (Neutral), L (Live), NC (Normally Closed), and NO (Normally Open) connections for the heating system, along with sensor connections.

3.2 App Connection (Smart Life / Tuya Smart)

To enable remote control and smart features, connect your thermostat to the 'Smart Life' or 'Tuya Smart' application.

1. Download the 'Smart Life' or 'Tuya Smart' app from your smartphone's app store.
2. Register or log in to your account.
3. Ensure your thermostat is powered on. Press and hold the power button on the thermostat for 5-10 seconds until the Wi-Fi icon flashes, indicating pairing mode.
4. In the app, tap '+' to add a new device. Select 'Thermostat' or 'Heater' from the device list.
5. Follow the on-screen instructions to connect the thermostat to your 2.4GHz Wi-Fi network. 5GHz networks are not supported.



Image: The AVATTO Smart Thermostat being controlled remotely through a smartphone application. The image highlights the convenience of managing heating settings from anywhere using the AVATTO or Smart Life app.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

Press the power button once to turn the thermostat on or off.

4.2 Setting Temperature

In manual mode, use the '+' and '-' buttons on the thermostat or the app to adjust the desired temperature. The minimum temperature setting is 0.5°C.



Image: Precise temperature control features of the AVATTO Smart Thermostat. This image details the minimum temperature setting (0.5°C), temperature hysteresis (0.5°C to 10°C), and upper and lower temperature limits (15°C to 95°C).

4.3 Operating Modes (Manual / Program)

The thermostat supports two main operating modes:

- **Manual Mode:** The thermostat maintains a constant temperature set by the user until manually changed.
- **Programming Mode:** Allows you to set a customized heating schedule for different times of the day and week. You can choose between 5+2 (weekdays/weekend), 6+1 (Mon-Sat/Sun), or 7-day programming options. Refer to the app for detailed schedule setup.

4.4 Voice Control

Once connected to the Smart Life app and linked with Amazon Alexa or Google Home, you can control your thermostat using voice commands.

- **Example Commands:**

- "Alexa, set the thermostat to 23 degrees."
- "Hey Google, turn on the living room thermostat."
- "Alexa, what is the temperature in the bedroom?"

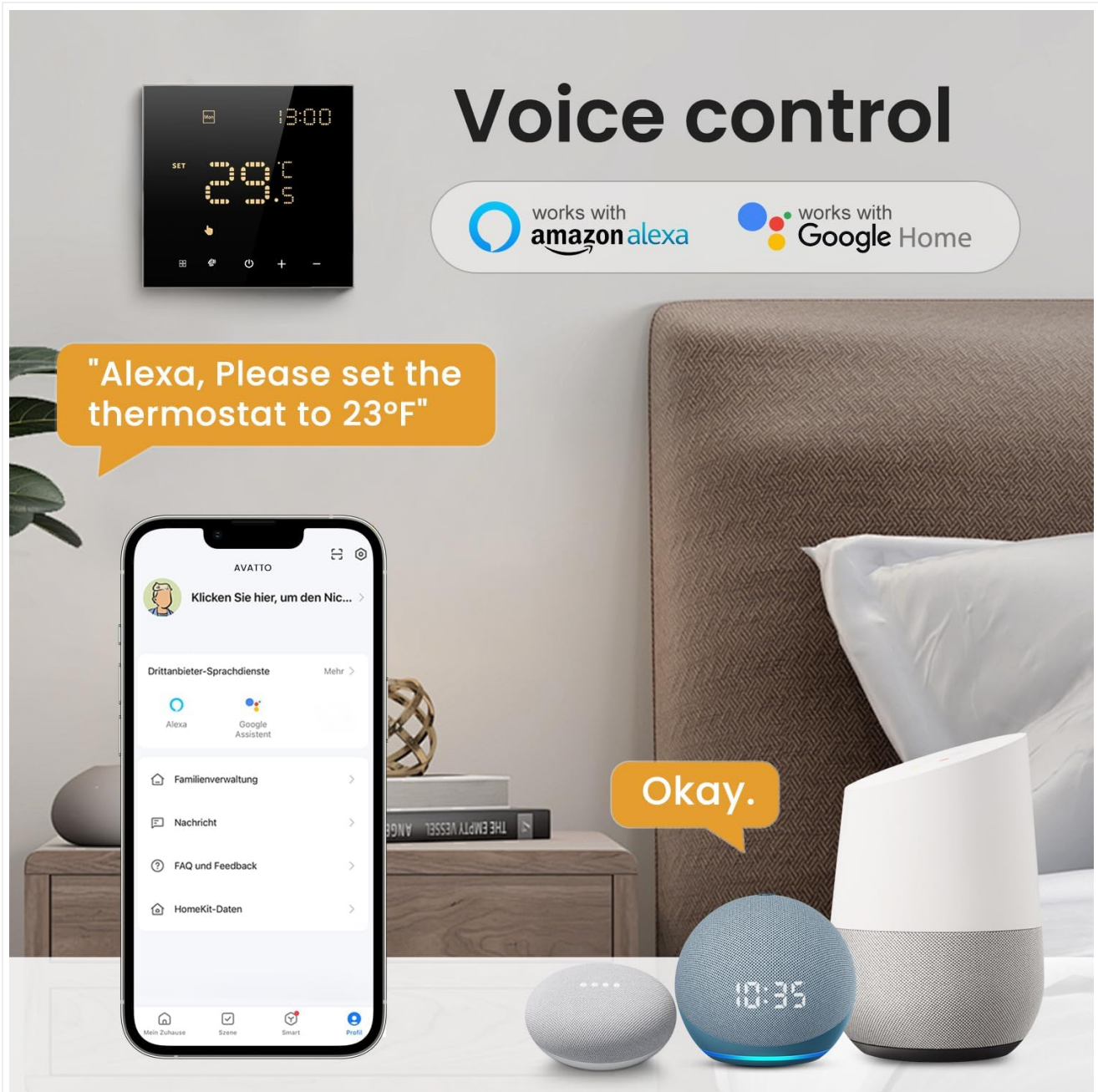


Image: Voice control functionality of the AVATTO Smart Thermostat with Amazon Alexa and Google Home devices. A smartphone displays the AVATTO app interface, while an Alexa Echo Dot and Google Home Mini are shown, illustrating hands-free temperature adjustment.

4.5 Temperature Calibration

If you notice a difference between the actual room temperature and the temperature displayed on the thermostat, you can calibrate it through the app settings. This ensures accurate temperature readings and control.

4.6 Screen Brightness Adjustment

The screen brightness can be adjusted to three levels via the app settings to suit your preference and avoid disturbance, especially during nighttime.

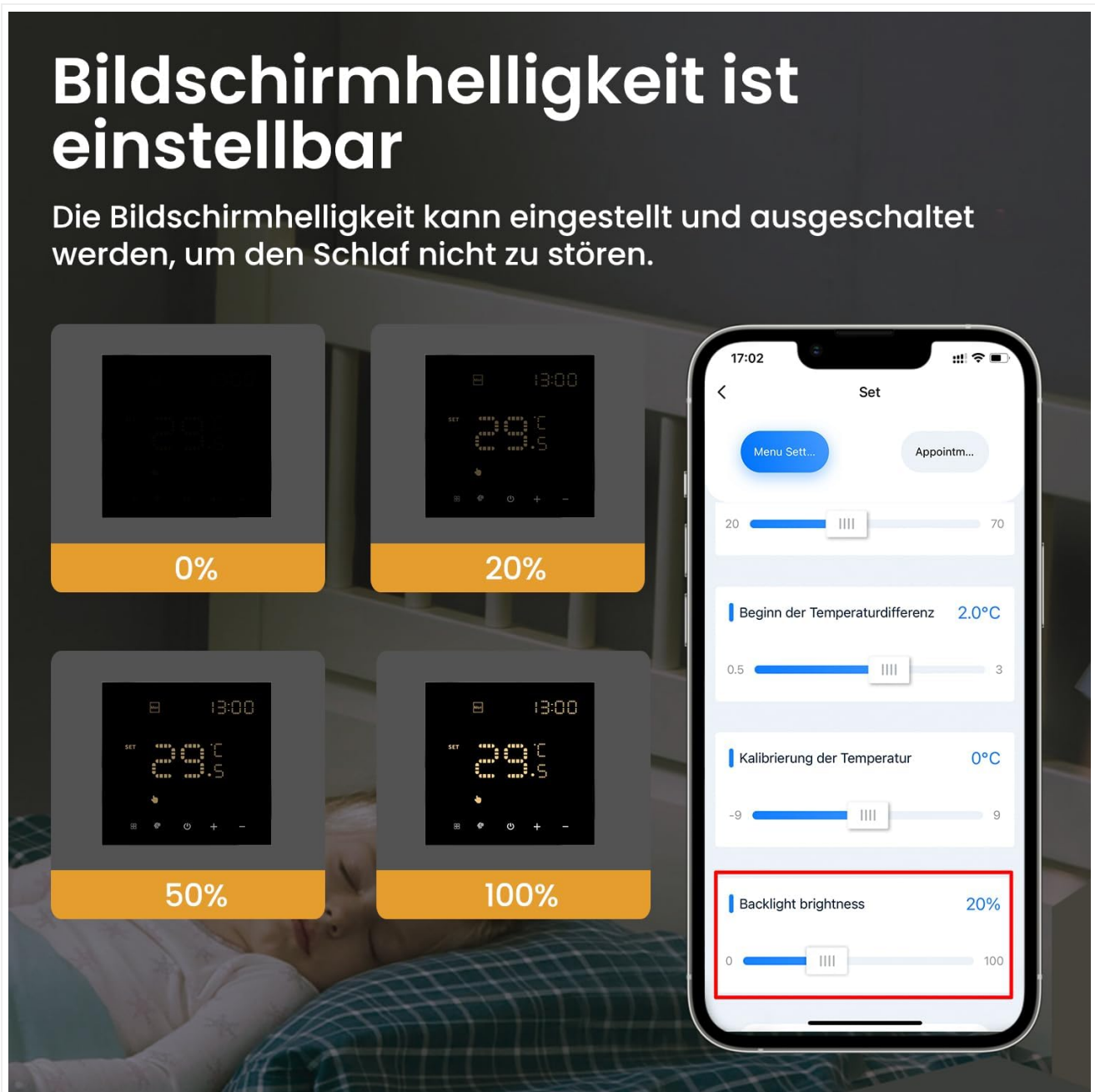


Image: Adjustable screen brightness levels of the AVATTO Smart Thermostat. The image displays the thermostat screen at 0%, 20%, 50%, and 100% brightness, along with a screenshot of the app interface showing the 'Backlight brightness' slider.

4.7 Child Lock Function

Activate the child lock feature through the app to prevent unauthorized changes to the thermostat settings by children.

4.8 Antifreeze Protection

The thermostat includes an antifreeze function to prevent pipes from freezing in cold conditions by automatically activating heating if the temperature drops below a set threshold.

5. MAINTENANCE

- To ensure optimal performance and longevity of your AVATTO Smart Wi-Fi Thermostat, follow these maintenance guidelines:
- **Cleaning:** Gently wipe the thermostat screen and body with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or chemical sprays, as these can damage the device.
 - **Sensor Care:** Ensure the temperature sensors are not obstructed by furniture, curtains, or other objects, as this can affect temperature readings.
 - **Software Updates:** Periodically check the 'Smart Life' or 'Tuya Smart' app for any available firmware updates for your thermostat to ensure you have the latest features and bug fixes.

6. TROUBLESHOOTING

If you encounter issues with your AVATTO Smart Wi-Fi Thermostat, refer to the following common problems and solutions:

- **Thermostat not powering on:**
 - Check the main power supply to your heating system.
 - Verify that the wiring connections are secure and correct according to the installation diagram.
- **Wi-Fi connection issues:**
 - Ensure your Wi-Fi router is operating on a 2.4GHz frequency. The thermostat does not support 5GHz Wi-Fi.
 - Confirm that the thermostat is within range of your Wi-Fi router.
 - Restart your Wi-Fi router and attempt the pairing process again.
 - Make sure the Wi-Fi icon on the thermostat is flashing during pairing mode (press and hold power button for 5-10 seconds).
- **Incorrect temperature readings:**
 - Use the temperature calibration function in the app to adjust the reading.
 - Ensure the thermostat's internal sensor is not obstructed or exposed to direct heat sources (e.g., sunlight, appliances).
- **Heating not turning on/off as scheduled:**
 - Verify that the thermostat is in 'Programming Mode' and that your schedule is correctly set in the app.
 - Check the current time and day settings on the thermostat and in the app.
 - Ensure the child lock is not activated if you are unable to make changes.
- **Voice control not working:**
 - Confirm that your thermostat is successfully linked to Amazon Alexa or Google Home through the Smart Life app.
 - Check your internet connection and the status of your smart speaker.
 - Use clear and precise voice commands.

7. SPECIFICATIONS

Brand	AVATTO
Model Number	WT400S-3A-B

Color	Black
Dimensions (L x W x H)	86 x 86 x 26 mm (0.8 x 9 x 6 cm product dimensions listed, 26mm depth from image)
Weight	200 grams
Power	1200 Watts
Voltage	100-240 VAC, 50/60 Hz
Current	3 A
Material	Plastic
Connectivity Technology	Wi-Fi (2.4 GHz only)
Temperature Range	5°C ~ 70°C
Temperature Accuracy	± 0.5°C
Specific Uses	For floor heating and gas boiler (this model is 3A, typically for electric floor heating)

8. WARRANTY AND SUPPORT

For any issues not covered in this manual, or if you require further assistance with installation or connection, please contact AVATTO customer support. Refer to the product packaging or the AVATTO website for specific warranty information and contact details.