

REKA ME223EH-NU

REKA Smart Electric Radiator Thermostat

MODEL: ME223EH-NU

Brand: REKA

1. INTRODUCTION

This manual provides comprehensive instructions for the REKA Smart Electric Radiator Thermostat, Model ME223EH-NU. This device is designed to optimize your comfort while reducing energy consumption. It offers remote temperature control via the Tuya application, flexible programming, and open window detection. For optimal functionality, a Zigbee 3.0 gateway is required.

Key Features:

- **Voice Assistant Compatibility:** Control your thermostat using Amazon Alexa and Google Home.
- **Open Window Detection:** Automatically pauses heating when an open window is detected to prevent energy waste.
- **Remote Management:** Control your heating from anywhere using the intuitive Tuya application.
- **Flexible Programming:** Customize heating schedules for each day of the week to suit your lifestyle.
- **Integrated Buffer Memory:** Ensures continuous operation and maintains predefined settings even without an internet connection.
- **Universal Compatibility:** Supplied with universal adapters for broad compatibility with existing radiator thermostats.
- **European Standards Compliance:** Conforms to NF EN ISO 52120-1 and NF EN 12098-3 for safety and performance.



Image: The REKA Smart Electric Radiator Thermostat shown alongside a smartphone displaying the Tuya app interface, indicating a temperature of 21 degrees Celsius in the living room.

2. SAFETY INFORMATION

- Read all instructions carefully before installation and use.
- Ensure power is disconnected before performing any installation or maintenance.
- Installation should be performed by a qualified professional if you are unsure.
- Do not expose the device to extreme temperatures, humidity, or direct sunlight.
- Keep out of reach of children.
- Use only the specified power source and accessories.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- REKA Smart Electric Radiator Thermostat (ME223EH-NU)
- Universal Adapters (various sizes for compatibility)
- Mounting Screws
- User Manual (this document)

4. INSTALLATION

Follow these steps to install your REKA Smart Electric Radiator Thermostat:

1. **Remove Existing Thermostat:** Carefully remove your current radiator thermostat. Refer to your radiator's manual if necessary.
2. **Select Adapter:** Choose the appropriate universal adapter that fits your radiator valve.
3. **Mount Thermostat:** Attach the REKA thermostat to the radiator valve using the selected adapter and mounting screws. Ensure it is securely fastened.
4. **Power On:** Insert batteries (if applicable, not explicitly mentioned but common for such devices) or connect to power as per the device's design.



Thermostat intelligent programmable



Contrôlez la température de votre maison avec précision et efficacité.

Image: The REKA Smart Electric Radiator Thermostat installed on a white radiator, illustrating its integration into a home heating system.

5. SETUP

To unlock the full potential of your REKA Smart Thermostat, follow these setup instructions:

5.1. Tuya App Pairing

1. **Download App:** Download the Tuya Smart or Smart Life app from your smartphone's app store (iOS or Android).
2. **Register/Log In:** Create an account or log in to your existing Tuya account.
3. **Add Device:** In the app, tap the "+" icon to add a new device. Select "Thermostat" or search for "REKA Thermostat".
4. **Enter Pairing Mode:** Follow the on-screen instructions in the app and on the thermostat to enter pairing mode. This usually involves pressing and holding a button on the thermostat until an indicator light flashes.
5. **Connect:** Confirm the device in the app and complete the pairing process.

5.2. Zigbee Gateway Connection

A Zigbee 3.0 gateway is essential for optimal synchronization and remote control of your REKA thermostat. If you do not have one, it must be purchased separately.

1. **Connect Gateway:** Ensure your Zigbee gateway is powered on and connected to your home network.
2. **Add Gateway to Tuya App:** If not already done, add your Zigbee gateway to the Tuya app following the gateway's specific instructions.
3. **Link Thermostat to Gateway:** Within the Tuya app, navigate to your Zigbee gateway and add the REKA thermostat as a sub-device. Follow the app's prompts to complete the linking process.

Assurez le bon fonctionnement de votre thermostat avec la passerelle Zigbee



Image: An illustration showing the REKA Smart Electric Radiator Thermostat, a Zigbee gateway, and a smartphone, demonstrating the connection required for smart control.

6. OPERATING INSTRUCTIONS

Your REKA Smart Thermostat offers various modes and control options for efficient heating management.

6.1. Control Modes

- **Manual Mode:** Adjust the temperature directly on the thermostat or via the app for immediate changes.
- **Comfort Mode:** Maintains a preset comfortable temperature.
- **Eco Mode:** Maintains a lower, energy-saving temperature.
- **Anti-Freeze Mode:** Prevents pipes from freezing by maintaining a minimum temperature (e.g., 5°C).

Plusieurs options disponibles

works with alexa

works with the Google Assistant



Assitant
vocaux



Mode
Eco



Mode
confort



Contrôle
à distance



Protection
contre le gel

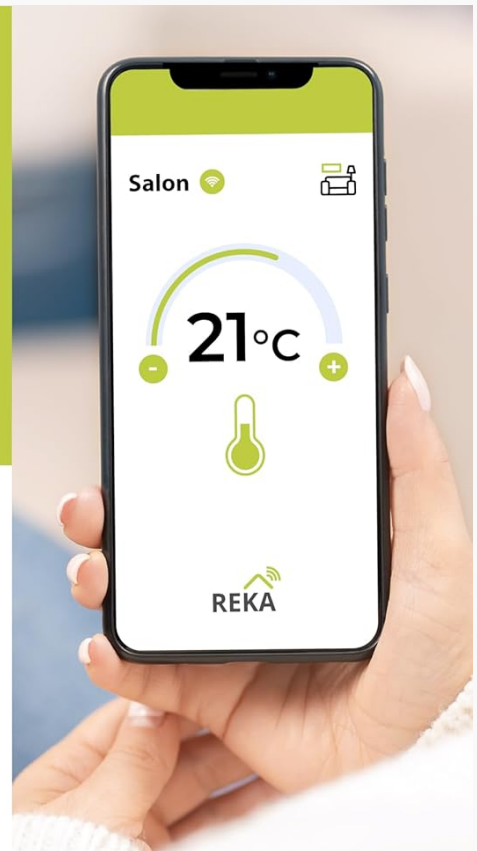
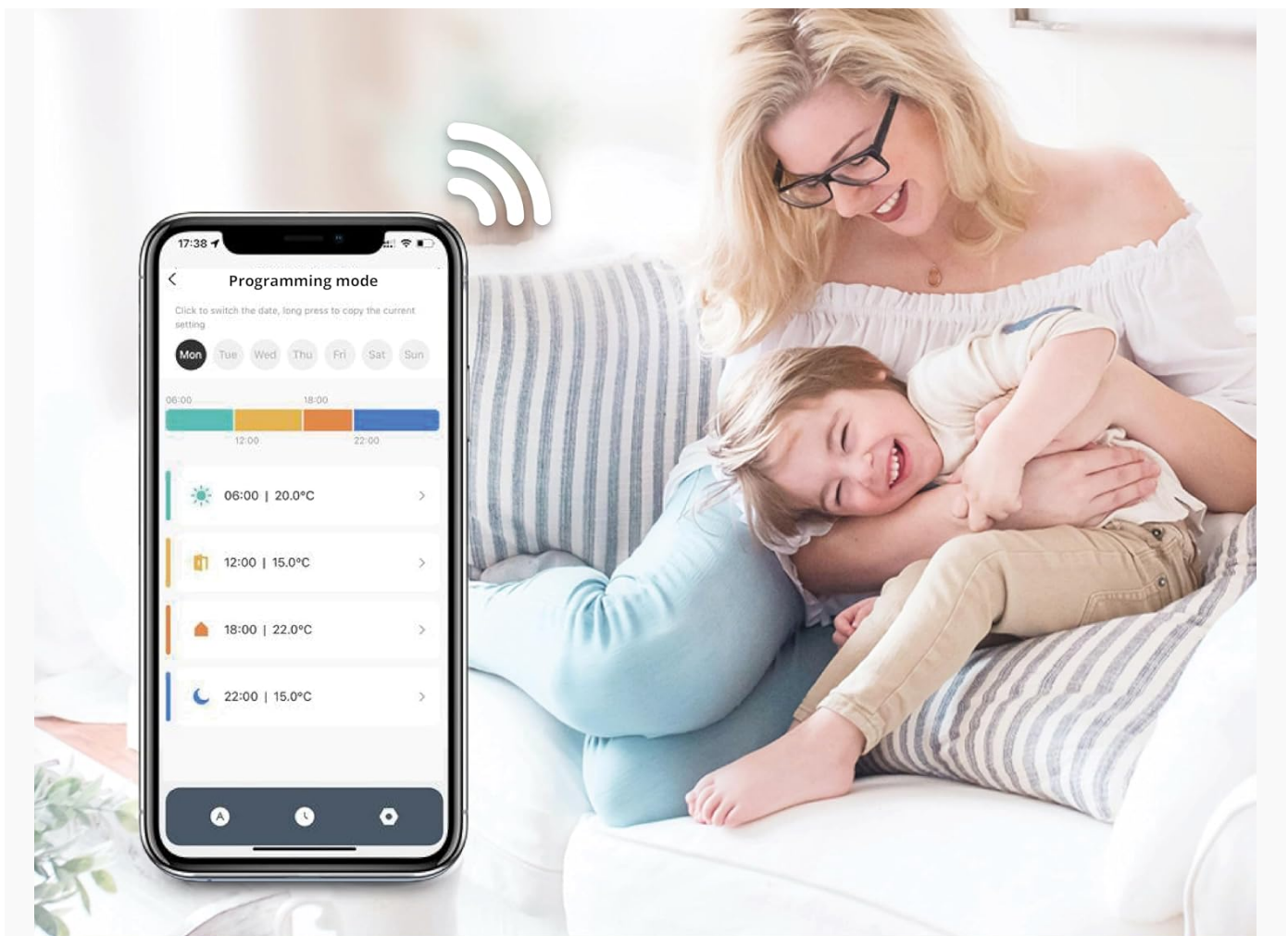


Image: An infographic highlighting the various operational modes and features of the REKA Smart Thermostat, such as voice control, Eco mode, Comfort mode, remote control, and frost protection.

6.2. Programming Schedules

Create personalized heating schedules for each day of the week using the Tuya app:

1. Open the Tuya app and select your REKA thermostat.
2. Navigate to the "Schedule" or "Programming" section.
3. Set desired temperatures for different time periods throughout the day (e.g., morning, daytime, evening, night).
4. Repeat for each day of the week or copy schedules to other days.
5. Save your custom program.



Créez des programmes personnalisés

Image: A smartphone screen displaying the Tuya app's programming interface, allowing users to create custom heating schedules for different times and days.

6.3. Voice Control

Integrate your REKA thermostat with Amazon Alexa or Google Home for convenient voice commands:

1. Ensure your thermostat is connected to the Tuya app and your Zigbee gateway.
2. Open the Alexa or Google Home app.
3. Enable the "Tuya Smart" or "Smart Life" skill/action.
4. Link your Tuya account to the voice assistant.
5. Discover devices. Your REKA thermostat should appear.
6. You can now use commands like: "Alexa, set living room temperature to 21 degrees" or "Hey Google, what's the temperature in the bedroom?"

" Alexa (ou google home), peux-tu mettre la température à 21°C "



+



works with
amazon alexa

works with
Google Home

Compatible avec les assistants vocaux

Image: A visual representation of the REKA Smart Thermostat's compatibility with Amazon Alexa and Google Home, showing a smart speaker and the thermostat.

6.4. Open Window Detection

The thermostat automatically detects open windows and temporarily stops heating to conserve energy. This feature is activated by a rapid drop in temperature. Heating will resume once the window is closed and the temperature stabilizes.

6.5. Remote Control Room by Room

With multiple REKA thermostats and the Tuya app, you can manage the temperature of individual rooms independently.



Contrôle à distance pièce par pièce

Image: A smartphone screen displaying the Tuya app, illustrating how users can remotely control the temperature in different rooms (e.g., living room, bedroom, kitchen) where REKA thermostats are installed.

7. MAINTENANCE

- **Cleaning:** Wipe the thermostat with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** If your model uses batteries, replace them when the low battery indicator appears. Refer to the device for battery type and replacement instructions.
- **Firmware Updates:** Periodically check the Tuya app for available firmware updates to ensure optimal performance and security.

8. TROUBLESHOOTING

If you encounter issues with your REKA Smart Thermostat, refer to the following common problems and solutions:

- **Thermostat not responding:** Check power supply or battery level. Ensure it is properly installed on the radiator valve.
- **Cannot connect to Tuya app:** Verify your Wi-Fi network is stable. Ensure the Zigbee gateway is online and the thermostat is within its range. Re-enter pairing mode if necessary.







- **Incorrect temperature readings:** Ensure the thermostat is not obstructed or exposed to direct heat sources (e.g., sunlight, other appliances).
- **Programming not working:** Check that the schedule is correctly saved in the Tuya app and that the thermostat is in programmed mode.
- **Voice control not working:** Confirm that the Tuya Smart skill/action is enabled in your Alexa/Google Home app and that your accounts are linked.

If the problem persists, contact REKA customer support for further assistance.

9. SPECIFICATIONS

| Feature | Specification |
|-------------------------|----------------------------------|
| Brand | REKA |
| Model Number | ME223EH-NU |
| Color | White |
| Dimensions (L x W x H) | 8.5 x 8.5 x 2.4 cm |
| Weight | 300 grams |
| Material | Plastic |
| Connectivity Technology | Zigbee standard IBEE B02.1 .4 |
| Controller Type | Amazon Alexa, Google Assistant |
| Special Feature | Programmable |
| Included Components | Mounting Screws |
| Compliance | NF EN ISO 52120-1, NF EN 12098-3 |

Dimensions et indicateurs lumineux

-  Indicateur de réseau de distribution
-  Indicateur de mode Confort
-  Indicateur de mode manuel
-  Indicateur de programmation
-  Indicateur anti - gel
-  Indicateur d'économie d'énergie

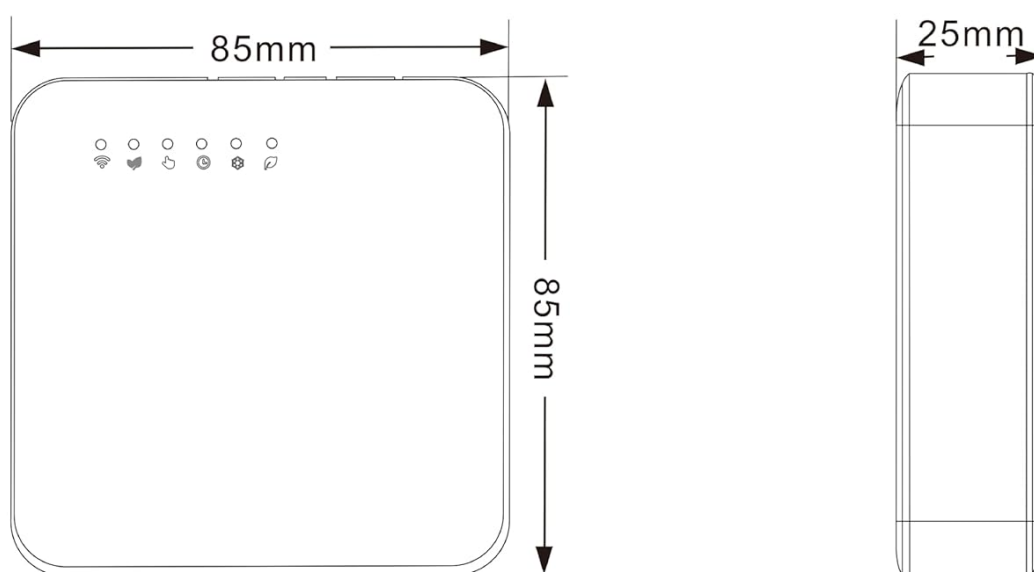


Image: A technical diagram illustrating the dimensions (85mm x 85mm x 25mm) and the various light indicators on the REKA Smart Thermostat, including network, comfort mode, manual mode, programming, anti-freeze, and energy saving indicators.

10. WARRANTY AND SUPPORT

REKA products are designed for reliability and performance. This product comes with a manufacturer's warranty. For specific warranty details, please refer to the documentation included with your purchase or visit the official REKA website.

For technical support, troubleshooting assistance, or any questions regarding your REKA Smart Electric Radiator Thermostat, please contact REKA customer service through their official website or the contact information provided in your product packaging.

