

Hasaller X22NG7012PF2Z2X2R30PQ



Image: Front view of the Hasaller Smart Wi-Fi Thermostat, displaying current time, room temperature (22.5°C), set temperature (31.5°C), and a "Heat ON" indicator. Icons for Wi-Fi, child lock, and weather are also visible.

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Hasaller Smart Wi-Fi Thermostat. This device is designed to control electric floor heating systems, offering advanced features for comfort and energy efficiency. Please read this manual thoroughly before installation.

and use to ensure proper function and safety.

2. SAFETY INFORMATION

- Installation must be performed by a qualified electrician in accordance with local electrical codes.
- Ensure the power supply is disconnected before installation or maintenance to prevent electric shock.
- Do not expose the thermostat to water or excessive humidity.
- Do not attempt to repair or modify the thermostat yourself. Contact qualified service personnel.
- This thermostat is designed for electric floor heating systems. Verify compatibility with your heating system before installation.

3. PRODUCT FEATURES

- **Remote Control Functionality:** Manage your electric floor heating system from anywhere using the Tuya or Smart Life mobile application.
- **Customizable Programming:** Supports 5+2, 6+1, or 7-day weekly programming to align with your schedule and optimize comfort.
- **Adjustable Brightness:** Screen brightness can be adjusted for clear visibility during the day and minimal light disturbance at night.
- **Temperature Deviation Correction:** Allows for adjustment of the displayed temperature by $\pm 1^{\circ}\text{C}$ for accurate readings.
- **Versatile Installation:** Compatible with standard 86/60mm junction boxes and power supplies ranging from 90V to 240V.
- **LCD Touch Screen:** Features an elegant, scratch-resistant design with a large backlit display for easy reading and operation.
- **Smart Child Lock:** Prevents unauthorized changes to settings.
- **Smart Home Integration:** Compatible with Tuya, Wi-Fi, Amazon Alexa, and Google Assistant.

4. PACKAGE CONTENTS

The package includes the following items:

- 1 x Hasaller Smart Wi-Fi Thermostat (3A Version)
- 1 x Temperature Sensor (included with 16A models, verify for 3A model if external sensor is needed)
- 1 x User Manual (this document)

5. SPECIFICATIONS

Specification	Value
Product Name	Heating Thermostat
Brand	Hasaller
Model	X22NG7012PF2Z2X2R30PQ
Color	As Pictured (Black)
Material	Plastic

Product Dimensions	10 x 10 x 6 cm
Item Weight	200 grams
Power Supply Compatibility	90V to 240V
Junction Box Compatibility	Standard 86/60 mm

6. SETUP AND INSTALLATION

Important: Installation should only be carried out by a qualified electrician. Ensure the main power supply is turned off before beginning installation.

6.1. Mounting

1. Turn off the main power supply to the heating system.
2. Carefully remove the front panel of the thermostat.
3. Connect the wiring according to the diagram provided with your specific heating system and the thermostat's terminal markings. Ensure all connections are secure.
4. Mount the thermostat base into a standard 86/60mm junction box using the provided screws.
5. Reattach the front panel of the thermostat.
6. Restore power to the heating system.

The thermostat is suitable for

Water/electricity/wall mounted boiler
temperature control system



Image: The thermostat is compatible with water heating, electric heating, and wall-mounted boiler heating systems. A smartphone shows the Tuya/Smart Life app interface for remote control.

6.2. Initial Power-On

Upon first power-on, the thermostat display will illuminate. You may need to set the current time and day. Refer to the "Operation" section for details on navigating the menu.

6.3. App Connection (Tuya/Smart Life)

1. Download the "Tuya Smart" or "Smart Life" app from your smartphone's app store.
2. Register or log in to your account.
3. Ensure your thermostat is powered on and in pairing mode (usually indicated by a blinking Wi-Fi icon). Refer to the thermostat's display for specific pairing instructions.
4. In the app, tap "+" to add a device, then select "Thermostat" or search for the device type.
5. Follow the on-screen instructions in the app to connect the thermostat to your Wi-Fi network.

APP remote control

Smart thermostat that can be controlled through a mobile phone before returning home



Image: Demonstrates the remote control capability of the thermostat using a mobile phone application, showing the thermostat mounted on a wall and a user interacting with the app.

For **tuya**



WiFi



For Tmall Genie



For Xiaodu



For Amazon Alexa



For Google Assistant

Image: The thermostat is shown with various smart home platform logos, indicating compatibility with Tuya, Wi-Fi, Amazon Alexa, and Google Assistant for integrated control.

7. OPERATION

7.1. Display Overview

The thermostat features an intuitive LCD touch screen. Refer to the diagram below for an explanation of the display elements:

LCD Touch Screen

Elegant appearance, single-sided design scratch resistant. Large LCD touch screen display with backlight, easy to read.



Image: Detailed diagram of the thermostat's LCD touch screen, labeling key indicators such as Time display, Weather icon, Room temperature, Heating icon, Weekly display, Mode key, Smart child lock, Wi-Fi icon, Period icon, Set temperature, Manual mode, and On/Off button.

- **Time Display:** Shows the current time.
- **Weather Icon:** Indicates current weather conditions (if connected to internet services).
- **Room Temperature:** Displays the current ambient temperature.
- **Heating Icon:** Indicates when the heating system is active.
- **Weekly Display:** Shows the current day of the week.
- **Mode Key:** Used to switch between different operating modes.
- **Smart Child Lock:** Icon indicates if the child lock feature is active.
- **Wi-Fi Icon:** Indicates Wi-Fi connection status.
- **Period Icon:** Relevant for programmed schedules.
- **Set Temperature:** Displays the desired temperature.
- **Manual Mode:** Icon indicates if the thermostat is in manual control mode.
- **On/Off:** Power button.

7.2. Basic Controls

- **Power On/Off:** Press the button to turn the thermostat on or off.
- **Adjust Temperature:** Use the ▲ (Up) and ▼ (Down) arrows to increase or decrease the set

temperature.

- **Change Mode:** Press the  (Mode) button to cycle through available operating modes (e.g., Manual, Programmed).

7.3. Programming Schedules

The thermostat supports flexible weekly programming (5+2, 6+1, or 7-day schedules). Access the programming menu via the Mode button or the mobile app. Follow the on-screen prompts to set desired temperatures for different time periods throughout the day and week.

7.4. Adjustable Brightness

The display brightness can be adjusted in the settings menu (accessible via the Mode button or app). This allows you to optimize visibility during the day and reduce light output at night.

7.5. Temperature Deviation Correction

If you find the displayed room temperature differs slightly from another accurate thermometer, you can calibrate the thermostat. This setting is typically found in the advanced settings menu and allows for an adjustment of $\pm 1^{\circ}\text{C}$.

7.6. Child Lock

Activate the child lock feature to prevent accidental or unauthorized changes to the thermostat settings. This is usually done by pressing and holding a combination of buttons or through the mobile app.

8. MAINTENANCE

- Clean the thermostat's screen and casing with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Ensure the thermostat is not obstructed by furniture or curtains, which could affect its temperature readings.
- Regularly check for firmware updates through the Tuya/Smart Life app to ensure optimal performance and security.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Thermostat not powering on.	No power supply; incorrect wiring.	Check circuit breaker. Verify wiring connections (consult an electrician).
Wi-Fi icon is not displayed or blinking.	No Wi-Fi connection; incorrect pairing mode.	Ensure Wi-Fi router is on. Re-enter pairing mode on the thermostat and retry app connection.
Heating not turning on.	Set temperature is below room temperature; thermostat in off mode; wiring issue.	Increase set temperature. Ensure thermostat is on. Check wiring (consult an electrician).
Inaccurate temperature reading.	Sensor issue; thermostat location; no calibration.	Ensure thermostat is not near heat sources/drafts. Use temperature deviation correction feature.

Cannot control via app.	No internet connection; app not updated; thermostat offline.	Check phone's internet connection. Update app. Verify thermostat's Wi-Fi connection.
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10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the purchase documentation or contact Hasaller customer service through their official website or the retailer where the product was purchased. Keep your proof of purchase for warranty claims.

For further assistance with the Tuya Smart or Smart Life app, please refer to the app's help section or their respective support channels.

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Documents - Hasaller – X22NG7012PF2Z2X2R30PQ
no relevant documents