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PNI CT36

PNI CT36 Wireless Smart Thermostat User Manual

Model: CT36 | Brand: PNI

1. Introduction

Welcome to the PNI CT36 Wireless Smart Thermostat. This manual provides detailed instructions for the installation, operation, and maintenance of your new thermostat, ensuring efficient control of your heating system. The PNI CT36 allows you to manage your home's temperature remotely via the Tuya Smart app, offering convenience and energy savings.

2. Package Contents

Please verify that all items listed below are included in your package:

- Thermostat Display Unit (CPU)
- Receiver Unit
- Wall Mount Bracket
- Desk Mount Bracket
- Mounting Screws
- User Manual



Image 2.1: PNI CT36 package contents, showing the thermostat display unit, receiver unit, and various mounting accessories.

3. Product Overview

The PNI CT36 system comprises two primary components: the thermostat display unit and the receiver unit.

3.1. Thermostat Display Unit

This unit features a large digital display and control buttons for setting temperature, programming schedules, and accessing various functions. It is battery-powered for flexible placement within your home.



Image 3.1: Front view of the PNI CT36 thermostat display unit, highlighting the digital screen and control buttons.

3.2. Receiver Unit

The receiver unit connects directly to your heating system (e.g., boiler) and communicates wirelessly with the thermostat display unit. It also connects to your WiFi network for internet control via the Tuya Smart app.



Image 3.2: The PNI CT36 receiver unit, which connects to the heating system and WiFi.



Image 3.3: System connection diagram illustrating the wireless communication between the thermostat and receiver, and the receiver's connection to WiFi and the heating system.

4. Setup and Installation

4.1. Mounting the Thermostat Display Unit

The thermostat display unit offers flexible placement options:

- **Wall Mounting:** Secure the wall mount bracket to a suitable indoor wall using the provided mounting screws. Ensure the location is away from direct sunlight, drafts, or heat sources for accurate temperature readings.
- **Desk Placement:** Attach the desk mount bracket to the back of the thermostat unit for freestanding use.



Image 4.1: Rear view of the thermostat display unit, illustrating the battery compartment and the attachment point for the desk stand.

4.2. Powering the Thermostat Display Unit

Insert 2x AAA batteries (not included) into the battery compartment located on the back of the thermostat display unit. Observe correct polarity.

4.3. Wiring the Receiver Unit

The receiver unit must be wired to your heating system by a qualified electrician. Refer to the wiring diagram provided with your heating system and the receiver unit for specific connections.
Important: Ensure the main power supply to your heating system is turned off before performing any wiring to prevent electrical shock.

4.4. Pairing the Thermostat and Receiver

The thermostat display unit and receiver unit are typically pre-paired from the factory. If pairing is required or lost:

1. Ensure both units are powered on.
2. Press and hold the pairing button on the receiver unit until its LED indicator flashes.
3. On the thermostat display unit, navigate to the pairing menu (refer to the display unit's specific button sequence, usually involving the 'M' or 'P' button).
4. Confirm pairing on the thermostat. The LED on the receiver will become solid when successfully paired.

4.5. Connecting to WiFi and Tuya Smart App

To enable remote control, connect the receiver unit to your home WiFi network and integrate it with the Tuya Smart app.

1. Download the "Tuya Smart" app from your device's app store (iOS minimum v9, Android minimum v4.2). You can also scan the QR code on the product packaging or visit http://smart.tuya.com/download.
2. Ensure your WiFi router operates at 2.4 GHz. The thermostat is not compatible with 5 GHz networks.
3. Open the Tuya Smart app and create an account or log in.

4. Add a new device in the app. Follow the in-app instructions to connect the PNI CT36 thermostat. This usually involves putting the receiver unit into WiFi pairing mode (e.g., pressing a button until an indicator flashes rapidly).
5. Once connected, you can control and monitor your thermostat remotely.

5. Operating Instructions

5.1. Basic Temperature Adjustment

Use the Up (▲) and Down (▼) buttons on the thermostat display unit to manually adjust the desired temperature. The display will show the set temperature and the current room temperature.

5.2. Operating Modes

The PNI CT36 thermostat typically offers different operating modes:

- **Manual Mode:** The thermostat maintains the temperature you manually set until changed.
- **Programmed Mode (PRG):** The thermostat follows a pre-set schedule of temperatures for different times of the day and days of the week.
- **Anti-freeze Mode:** Maintains a minimum temperature (e.g., 5°C) to prevent pipes from freezing when you are away for extended periods.

Use the 'M' (Mode) button to cycle through available modes.

5.3. Programming a Schedule

To set a weekly schedule (Monday to Sunday) with up to 4 comfort zones per day:

1. Press the 'P' (Program) button to enter programming mode.
2. Use the 'M' button to select the day or period you wish to program.
3. Use the Up (▲) and Down (▼) buttons to adjust the start time and desired temperature for each period.
4. Press 'P' again to confirm and move to the next setting or exit programming mode.

5.4. Anti-freeze Function

Activate the anti-freeze function to protect your heating system during cold periods when the property is unoccupied. This function maintains a low, safe temperature to prevent damage.

5.5. App Control (Tuya Smart)

The Tuya Smart app provides comprehensive control and monitoring features:

- Remote temperature adjustment.
- Viewing current room temperature.
- Setting and modifying weekly schedules.
- Activating/deactivating anti-freeze mode.
- Receiving notifications and alerts.

6. Maintenance

6.1. Battery Replacement

When the battery indicator on the thermostat display unit shows low power, replace the 2x AAA batteries promptly to ensure continuous operation. Always use new batteries of the same type.

6.2. Cleaning

Clean the thermostat and receiver units with a soft, dry cloth. Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the device's surface or internal components.

7. Troubleshooting

Refer to the table below for common issues and their solutions:

Problem	Solution
Thermostat display is blank	Check batteries; replace if necessary. Ensure the receiver unit is powered.
Heating system not responding	Check pairing between thermostat and receiver. Verify receiver unit power and wiring to the heating system. Check WiFi connection if using app control.
Cannot connect to Tuya Smart app	Ensure your WiFi is 2.4 GHz. Restart your router. Re-initiate WiFi pairing mode on the receiver unit and follow app instructions.
Inaccurate temperature reading	Ensure the thermostat is not in direct sunlight, near drafts, or heat sources.

8. Technical Specifications

Detailed specifications for the PNI CT36 Wireless Smart Thermostat:

Brand	PNI
Model	CT36
Controller Type	Android, iOS (via Tuya Smart App)
Special Feature	Auto-Scheduling, Anti-freeze Function
Color	White
Specific Uses For Product	Heat Pump, Thermal Power Plants, General Heating Systems
Temperature Control Type	Smart/Remote, Button Control
Connectivity Technology	Wi-Fi (2.4 GHz)
Power Source	Thermostat: Battery Powered (2x AAA); Receiver: 230 Volts
Item Weight	Thermostat: 314 Grams (approx. 11.1 ounces)
Material	Plastic
Display Type	Digital
Screen Size	3.7 Inches
Mounting Type	Wall Mount, Surface Mount (Desk)

Product Dimensions	5.31 x 1.1 x 3.46 inches (Thermostat)

9. Warranty and Support

For warranty information and technical support, please refer to the official PNI website or contact your retailer. Keep your purchase receipt as proof of purchase.
Manufacturer: Onlineshop SRL, Olteniei 26A, Piatra Neamt, Romania
Contact: comenzi@pni.ro

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