

Homcloud XH-CTW

Homcloud CTW Smart Wi-Fi Digital Thermostat User Manual

MODEL: XH-CTW

1. Introduction

Welcome to the user manual for your Homcloud CTW Smart Wi-Fi Digital Thermostat. This guide provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your new thermostat. Designed for modern home heating systems, the Homcloud CTW thermostat offers convenient control over your gas/water boiler, ensuring optimal temperature and energy savings. It is compatible with popular smart home platforms like Amazon Alexa and Google Home, allowing for voice control and remote management via the Homcloud mobile application.

2. Product Overview

The Homcloud CTW Smart Wi-Fi Digital Thermostat is a versatile device designed to manage your home's heating system efficiently. It features a clear digital display and touch controls for direct interaction, alongside comprehensive smart functionalities. The thermostat can be installed directly on a wall or using a 503 support, making it adaptable to various setups. Its intelligent programming capabilities, including weekly schedules, help optimize energy consumption and reduce utility bills.



Figure 2.1: Front view of the Homcloud CTW Smart Wi-Fi Digital Thermostat, showing its digital display and touch buttons.

Key features include:

- **Digital Display:** Clear and easy-to-read screen showing current temperature, set temperature, time, and operating mode.
- **Wi-Fi Connectivity:** Enables remote control and integration with smart home ecosystems.
- **Programmable Schedules:** Supports 3 weekly programs and 6 time plans for automated temperature control.
- **Voice Control:** Compatible with Amazon Alexa and Google Home for hands-free operation.
- **Flexible Installation:** Can be wall-mounted or placed on a 503 support.

3. Setup

3.1. Installation

The Homcloud CTW thermostat is designed for 220-240V AC power supply and connects directly to your boiler's control wiring. It can be installed on a wall using screws or placed on a standard 503 support box (not recessed). Ensure power is off before beginning installation.

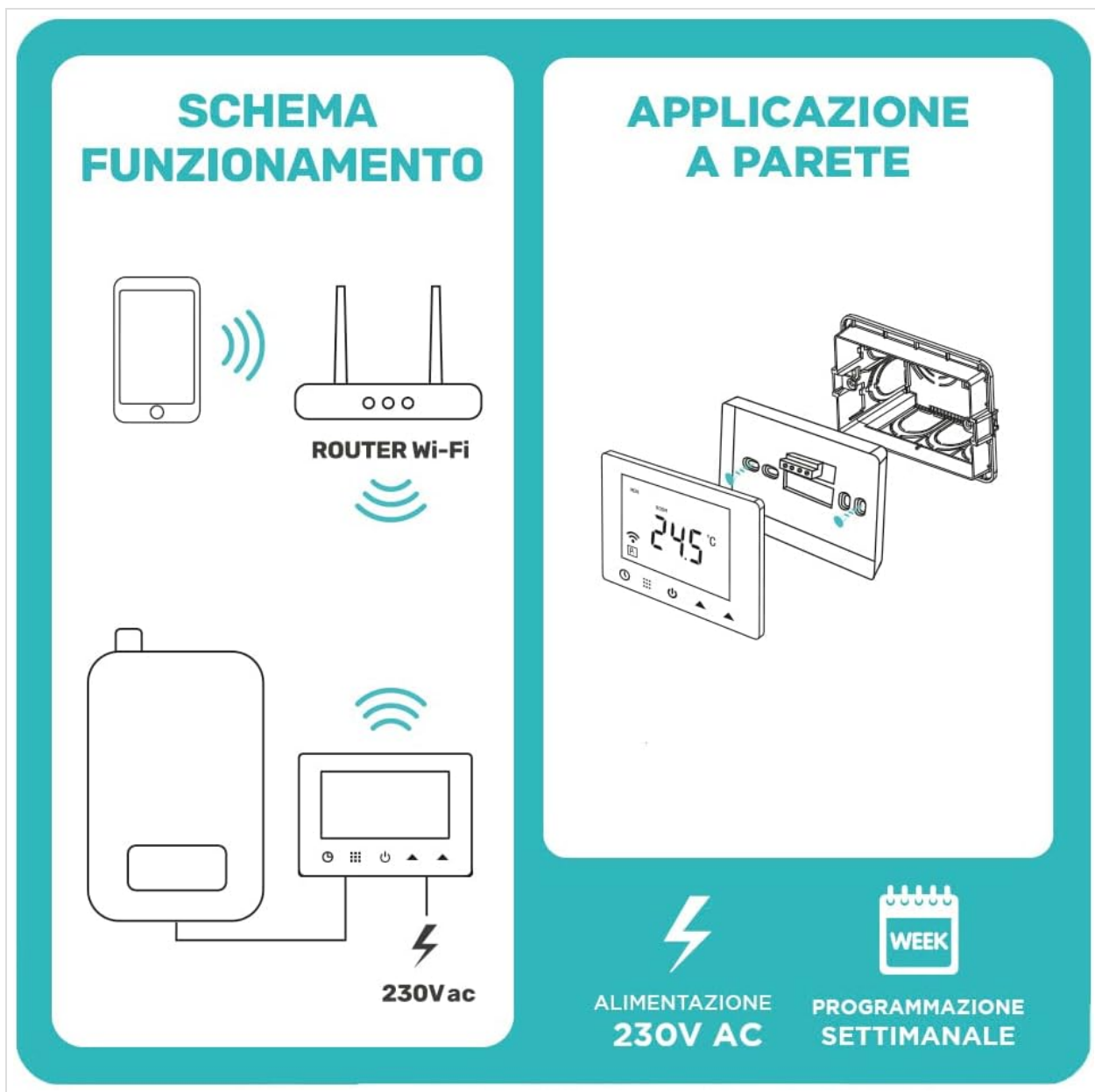


Figure 3.1: Diagram illustrating the thermostat's wiring connection to a boiler and its wall mounting options. The diagram shows the thermostat connecting to a Wi-Fi router and a boiler, powered by 230V AC.

3.2. Wiring Connection

Connect the thermostat to your boiler's control circuit. The thermostat's relay contact (COM and NO/NC terminals) is independent of its power supply, offering flexibility for various boiler types. Typically, you will connect the power supply (L and N) and the boiler control wires to the appropriate terminals. Refer to the detailed wiring diagram below for correct connections.

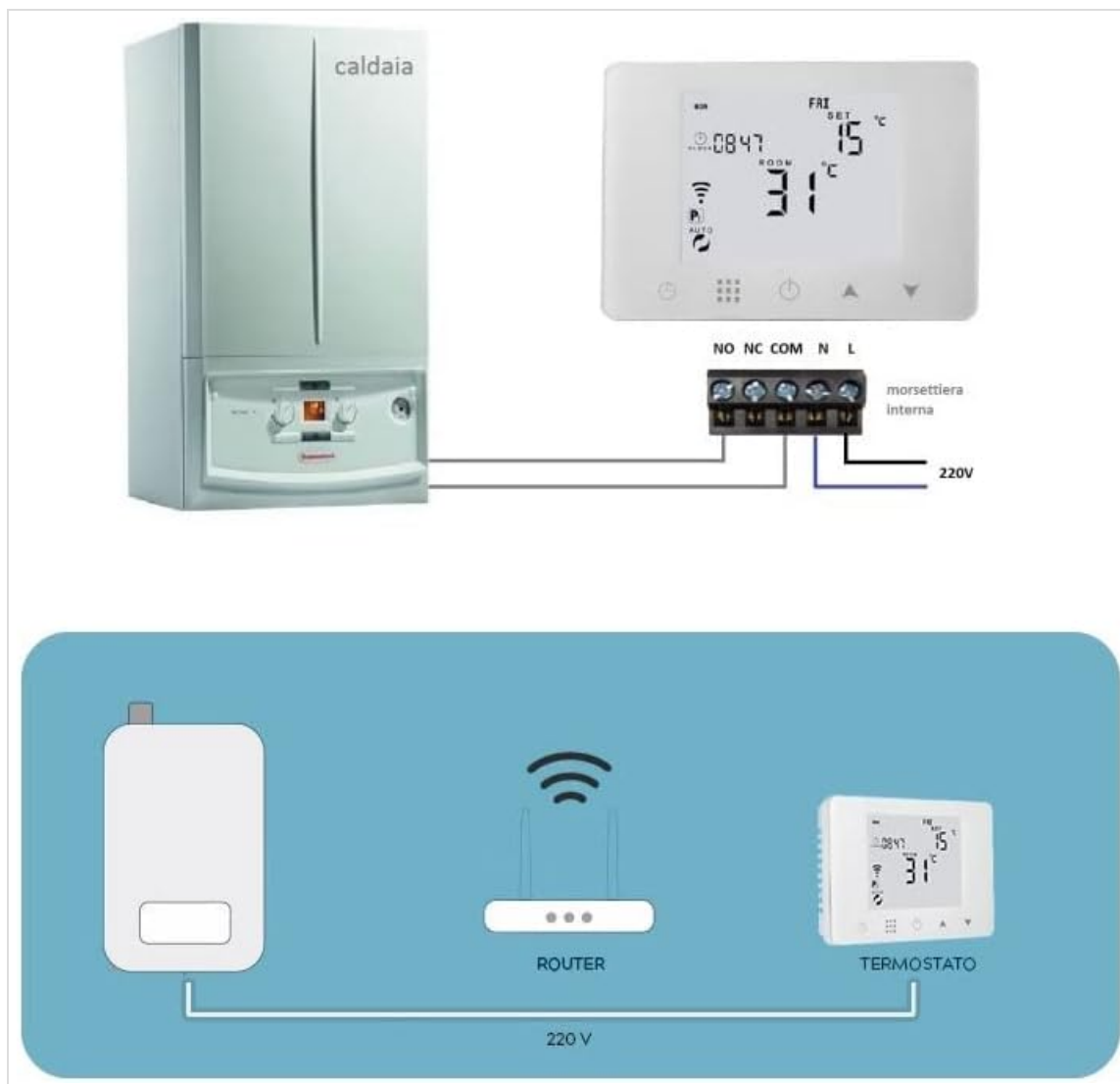


Figure 3.2: Detailed wiring schematic showing connections for power (220V) and boiler control (NO, NC, COM terminals) to the thermostat's internal terminal block.

3.3. Wi-Fi and App Pairing

After physical installation, download the Homcloud app from the App Store or Google Play. The app is also compatible with Smart Life. Follow the in-app instructions to pair your thermostat with your home Wi-Fi network (2.4 GHz 802.11b/g/n). It is recommended to perform the pairing near your Wi-Fi router for the initial setup.

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Video 3.1: Demonstration of the Homcloud CTW thermostat's display and basic interaction, useful for understanding its physical interface during setup and operation.

4. Operating Instructions

4.1. Basic Operation

You can control the thermostat directly using its touch buttons or remotely via the Homcloud app. The digital display shows the current room temperature and the set temperature. Use the arrow buttons to adjust the desired temperature. Switch between manual and automatic modes to suit your heating preferences.

4.2. Weekly Programming

The thermostat supports up to 3 weekly programs and 6 time plans, allowing for precise temperature

scheduling throughout the week. This feature helps maintain optimal comfort while maximizing energy savings. Programming is most easily done through the Homcloud app, which offers an intuitive interface for setting schedules.

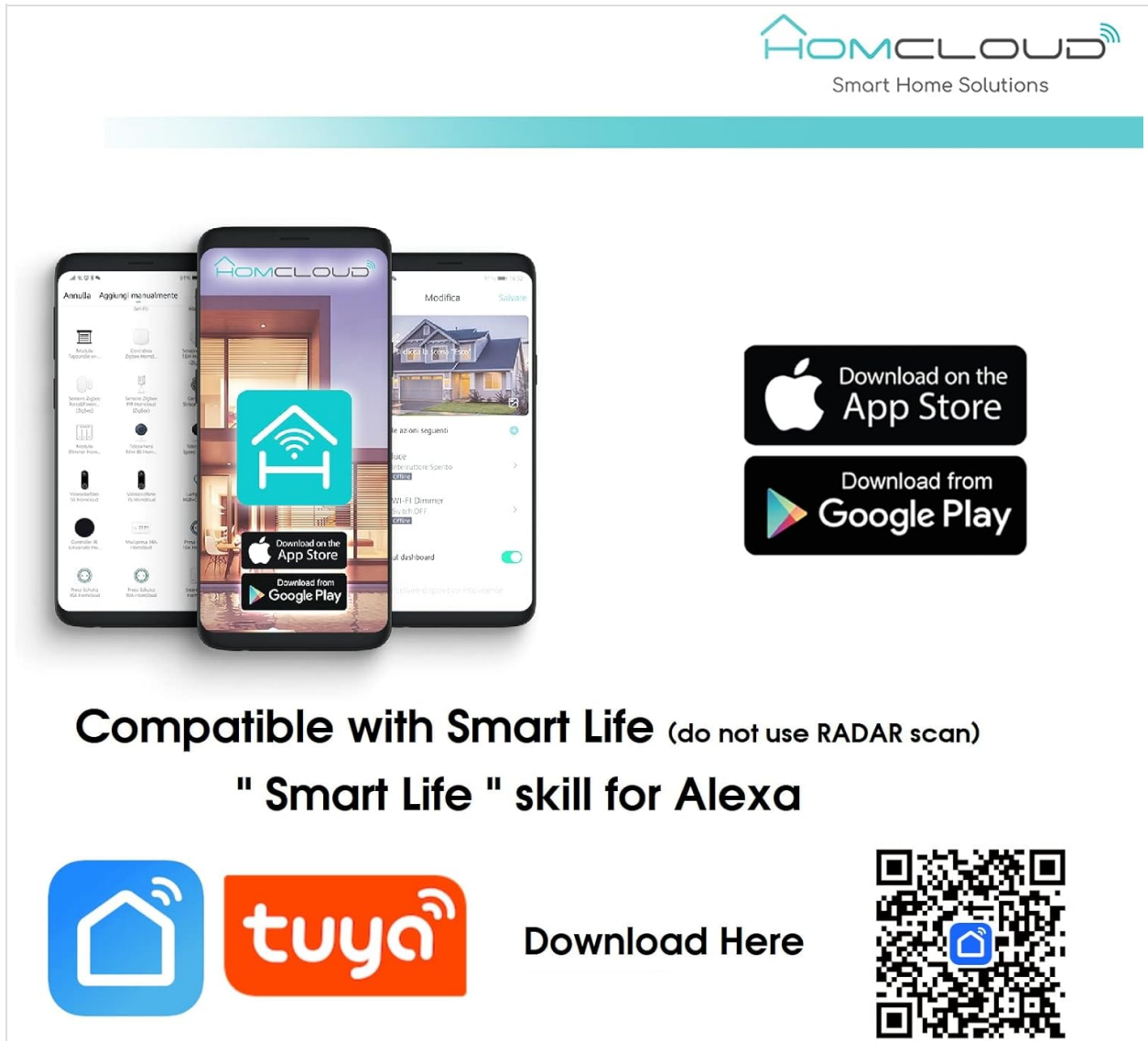


Figure 4.1: Screenshot of the Homcloud mobile application interface, demonstrating remote control and programming capabilities for the thermostat.

4.3. Smart Home Integration

Integrate your Homcloud CTW thermostat with Amazon Alexa or Google Home for convenient voice control. You can issue commands such as "Alexa, set the thermostat to 22 degrees" or "Hey Google, turn on the heating." Refer to the Amazon Alexa and Google Assistant websites for an updated list of voice commands.

5. Maintenance

The Homcloud CTW Smart Wi-Fi Digital Thermostat requires minimal maintenance. Keep the device clean by wiping it with a soft, dry cloth. Avoid using abrasive cleaners or solvents, as these can damage the display or casing. Ensure the area around the thermostat is free from obstructions to allow for accurate temperature readings.

6. Troubleshooting

If you encounter issues with your Homcloud CTW thermostat, refer to the following common problems and solutions:

- **Thermostat not turning on/no display:**

- Check the power supply (90-240V AC) to ensure it is connected correctly and receiving power.
- Verify all wiring connections are secure.

- **Heating not activating when flame icon is displayed:**

- Ensure the COM and NO (Normally Open) terminals are correctly wired to your boiler's control input.
- Confirm that the boiler itself is operational and not in an error state.

- **Unable to connect to Wi-Fi or app:**

- Ensure your Wi-Fi network is 2.4 GHz. The thermostat does not support 5 GHz networks.
- Check your Wi-Fi password for accuracy.
- Try resetting the thermostat and your router, then attempt pairing again.
- Ensure the Homcloud app (or Smart Life app) is updated to the latest version.
- If using a QR code for setup, ensure it is valid and scanned correctly.

- **Inaccurate temperature readings:**

- Ensure the thermostat is not exposed to direct sunlight, drafts, or heat sources that could affect its internal sensor.
- Verify that the thermostat is installed in a location representative of the room's average temperature.

If problems persist, contact Homcloud customer support for further assistance.

7. Specifications

Feature	Specification
Model Number	XH-CTW
Power Supply	90-240V AC, 50/60Hz
Output Relay	5A/250V
Operating Temperature Range	1-70°C
Adjustable Temperature Range	5-35°C
Temperature Accuracy	0.5°C
Dimensions (L x W x H)	130 x 90 x 25 mm
Wi-Fi Standard	2.4 GHz 802.11b/g/n
Installation	Wall mount with screws or 503 support (non-recessed)
Compatibility	Homcloud App, Smart Life App, Amazon Alexa, Google Home

8. Warranty Information

Specific warranty details for the Homcloud CTW Smart Wi-Fi Digital Thermostat are not provided in this manual. Please refer to the product packaging or contact Homcloud customer support for information regarding warranty coverage and terms.

9. Support

For further assistance, technical support, or to download the Homcloud control application, please use the links below:

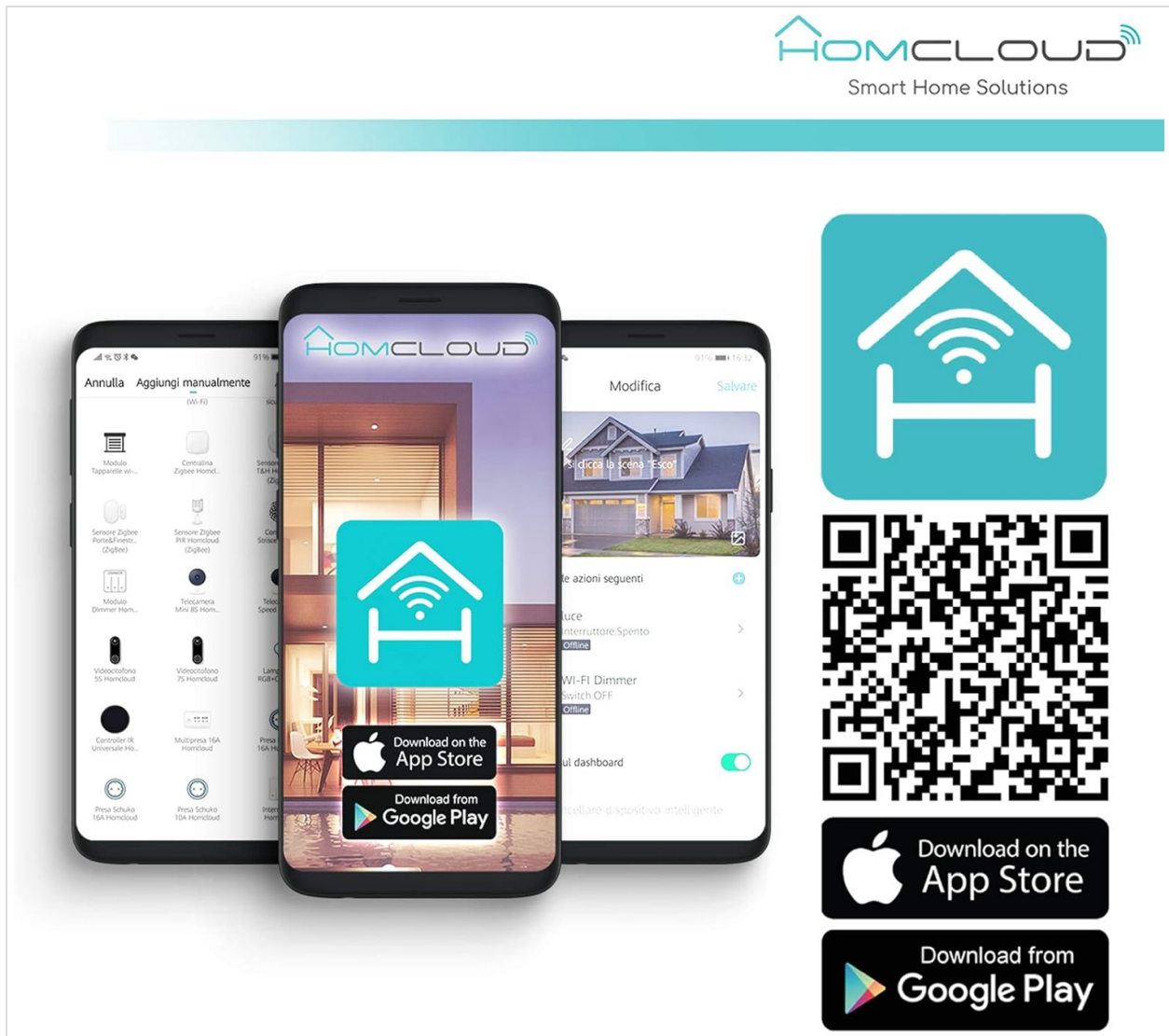





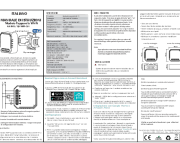


Figure 9.1: Homcloud app download page, showing options for App Store and Google Play, along with a QR code for direct download.

- **Homcloud App Download:**
[Download Homcloud App](#)
- **Smart Life App (Alternative):**
[Download Smart Life App](#)

You can also find support and frequently asked questions on the official Homcloud website.

Related Documents - XH-CTW

	<p>Homcloud Chronotherm Smart Wi-Fi Thermostat User Manual</p> <p>User manual for the Homcloud Chronotherm Smart Wi-Fi Thermostat, detailing product specifications, setup, operation, and integration with smart home systems like Alexa and Google Assistant.</p>
	<p>Homcloud Smart Wi-Fi Chronotherm RF HY09RF WIFI User Manual</p> <p>User manual and installation guide for the Homcloud Smart Wi-Fi Chronotherm RF (Model HY09RF WIFI, XH-CTB). Features include app control via Homcloud, Alexa, and Google Assistant, programmable schedules, and RF connectivity for gas boilers and underfloor heating.</p>
	<p>Homcloud Bell 15S Smart Doorbell Quick Guide</p> <p>Concise and SEO-optimized guide for the Homcloud Bell 15S smart doorbell, covering unboxing, description, installation, connection via Wi-Fi and app, QR code configuration, smart assistant integration (Google Assistant, Amazon Alexa), and frequently asked questions.</p>
	<p>Homcloud 3 Gang Wi-Fi Switch Module (AS-SM3N) - Installation and User Manual</p> <p>Get detailed instructions for the Homcloud 3 Gang Wi-Fi Switch Module (AS-SM3N, QS-WIFI-S04-3C). Learn about its features, technical specifications, installation, app configuration, and voice control integration with Google Home and Amazon Alexa.</p>
	<p>Homcloud Snap 15S Wi-Fi Security Camera Quick Guide</p> <p>This quick guide provides essential information for setting up and using the Homcloud Snap 15S Battery Cam Wi-Fi security camera. Learn about installation, connection, features, and integration with smart home platforms like Google Home and Alexa.</p>
	<p>Homcloud AS-SM3/QS-WIFI-C01 Wi-Fi Curtain Module Instruction Manual</p> <p>Instruction manual for the Homcloud AS-SM3/QS-WIFI-C01 Wi-Fi Curtain Module, detailing installation, configuration, technical specifications, manual override, smart home integration, and troubleshooting.</p>