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## Fantini Cosmi CH120

# Fantini Cosmi CH120 Room Thermostat User Manual

Model: CH120 | Brand: Fantini Cosmi

## 1. INTRODUCTION

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The Fantini Cosmi CH120 is an electronic touch thermostat equipped with a microprocessor, a positive LCD screen, and a white backlight. It is designed for precise control of both heating and air conditioning systems, offering a user-friendly interface for managing your indoor climate.

This manual provides essential information for the proper installation, operation, and maintenance of your CH120 thermostat. Please read it thoroughly before use to ensure optimal performance and longevity of the device.



Figure 1: Fantini Cosmi CH120 Room Thermostat. The display shows '21.0 °C' with icons for sun (day mode), moon (night mode), heating, and flame (heating active).

## 2. KEY FEATURES

- Large screen with clear graphic icons for easy readability.
- Multifunction auxiliary input for enhanced control options.
- Screen lock function for cleaning, preventing accidental setting changes.
- Low battery charge indicator to ensure timely battery replacement.
- Powered by 2 AAA 1.5V alkaline batteries for convenient operation.

## 3. SETUP AND INSTALLATION

### 3.1 Battery Installation

1. Carefully remove the back cover of the thermostat.
2. Insert two (2) AAA 1.5V alkaline batteries, ensuring correct polarity (+/-).
3. Replace the back cover securely. The thermostat display should activate.

### 3.2 Mounting (Professional Installation Recommended)

The Fantini Cosmi CH120 thermostat is designed for wall mounting. For optimal performance and safety, it is highly recommended that installation be performed by a qualified professional. Ensure the thermostat is mounted away from direct sunlight, drafts, and heat sources that could affect temperature readings.

- Choose an appropriate location on an interior wall, approximately 1.5 meters (5 feet) from the floor.
- Follow the wiring diagrams provided in the full installation guide (not included in this user manual) to connect the thermostat to your heating/cooling system.

- Secure the thermostat base to the wall using appropriate screws and anchors.
- Attach the thermostat front panel to the mounted base.

## 4. OPERATING INSTRUCTIONS

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The CH120 thermostat features a touch-sensitive screen for all operations. The main display shows the current temperature and various icons indicating the operating mode and status.



Figure 2: Detailed view of the CH120 thermostat screen and touch controls.

### 4.1 Power On/Off

To power on or off the thermostat, gently touch the **Power button** icon (circle with a vertical line) located at the bottom center of the screen. A short press will toggle the power state.

### 4.2 Adjusting Temperature

To set your desired temperature:

1. Ensure the thermostat is powered on.
2. Touch the **Up arrow** icon (triangle pointing up) to increase the temperature.
3. Touch the **Down arrow** icon (triangle pointing down) to decrease the temperature.
4. The new setpoint will be displayed temporarily, then revert to the current room temperature.

### 4.3 Mode Selection (Heating/Cooling)

The thermostat can operate in heating or cooling mode. The active mode is indicated by an icon on the display (e.g., flame for heating, snowflake for cooling if applicable). Refer to the full product manual for specific instructions on how to switch between modes, as this may involve a combination of button presses or a dedicated mode button not explicitly shown in the provided images.

### 4.4 Screen Lock Function

To prevent accidental changes, especially during cleaning, the thermostat features a screen lock function. Consult the detailed product manual for the specific sequence of touches required to activate and deactivate this feature.

## 5. MAINTENANCE

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### 5.1 Battery Replacement

When the low battery charge indicator appears on the screen, it is time to replace the batteries. Follow the steps for battery installation (Section 3.1) to replace the old batteries with two new AAA 1.5V alkaline batteries.

## 5.2 Cleaning the Thermostat

To clean the thermostat screen and casing:

- Activate the screen lock function (if available) or power off the device to prevent accidental changes.
- Use a soft, damp cloth to gently wipe the surface.
- Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the screen or casing.
- Ensure the thermostat is completely dry before resuming normal operation.

## 6. TROUBLESHOOTING

- **Thermostat not responding to touch:** Ensure the screen is clean and dry. If the issue persists, try removing and reinserting the batteries to reset the device.
- **Display is blank:** Check if the batteries are correctly installed and have sufficient charge. Replace batteries if necessary.
- **Incorrect temperature reading:** Ensure the thermostat is not exposed to direct sunlight, drafts, or heat sources. Verify that the air vents on the thermostat casing are not obstructed.
- **System (heating/cooling) not turning on:** Check the thermostat's power status and mode selection. Verify that your HVAC system is receiving power and is functioning correctly. If issues persist, consult a qualified technician.

## 7. SPECIFICATIONS

Feature	Specification
Brand	Fantini Cosmi
Model Number	CH120
Color	White
Product Dimensions (L x W x H)	12.7 x 2.4 x 8.2 cm
Item Weight	180 grams
Voltage	15 Volts
Controller Type	Touch Control
Specific Product Uses	Heating
Temperature Control Type	Heating
Connectivity Technology	Auxiliary
Included Components	Thermostat; Instructions

Feature	Specification
Power Source	Battery Powered
Shape	Rectangular

## 8. WARRANTY AND SUPPORT

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For warranty information, technical support, or service inquiries regarding your Fantini Cosmi CH120 thermostat, please refer to the documentation included with your purchase or visit the official Fantini Cosmi website. Contact details for customer service are typically available on the manufacturer's website.