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## Fantini Cosmi CH143A

# Fantini Cosmi CH143A Weekly Built-in Thermostat User Manual

Model: CH143A

## 1. INTRODUCTION

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The Fantini Cosmi CH143A is an electronic microprocessor-controlled thermostat designed for weekly programming of heating and air conditioning systems. This device offers advanced features for precise temperature control and energy efficiency. It is compatible with most common civil series plates and operates on a 230V power supply, eliminating the need for batteries.

### Key Features:

- Weekly programming for heating and air conditioning systems.
- Compatible with various civil series plates, including 3 colored covers (white, silver, anthracite).
- Multiple operating modes: AUTO, Holiday, Jolly, and MANUAL.
- Automatic daylight saving time adjustment.
- Four adjustable temperature levels: T1, T2, T3, and anti-freeze.
- 230V power supply, no batteries required.



Image 1.1: Front view of the Fantini Cosmi CH143A thermostat in white, showing the digital display with current time and temperature.

## 2. SETUP AND INSTALLATION

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The Fantini Cosmi CH143A thermostat is designed for built-in installation. Professional installation by a qualified electrician is recommended to ensure safety and proper functionality.

### 2.1. Package Contents

Before beginning installation, verify that all components are present in the package:

- CH143A Thermostat unit
- Multiple covers (white, silver, anthracite)
- Mounting frames and adapters for various civil series plates (e.g., Bticino, Vimar)
- Instruction manual

### 2.2. Wiring Instructions

The CH143A operates on 230V AC power. Connect the two wires from the boiler and the power supply wires to the designated terminals on the thermostat. Refer to the wiring diagram provided in the physical instruction manual for precise connections.

**Important Note:** Some users have reported discrepancies between the printed wiring diagram and the actual contact type (Normally Open vs. Normally Closed). Always verify the contact type with a tester before connecting to the boiler to ensure correct operation. The contact on terminals 1 and 2 is typically Normally Open (N.O.) for boiler connections.

## 2.3. Mounting and Compatibility

The thermostat is designed to fit standard built-in boxes. It includes various adapters and frames to ensure compatibility with popular civil series plates such as Bticino Living, Vimar Idea, and others.

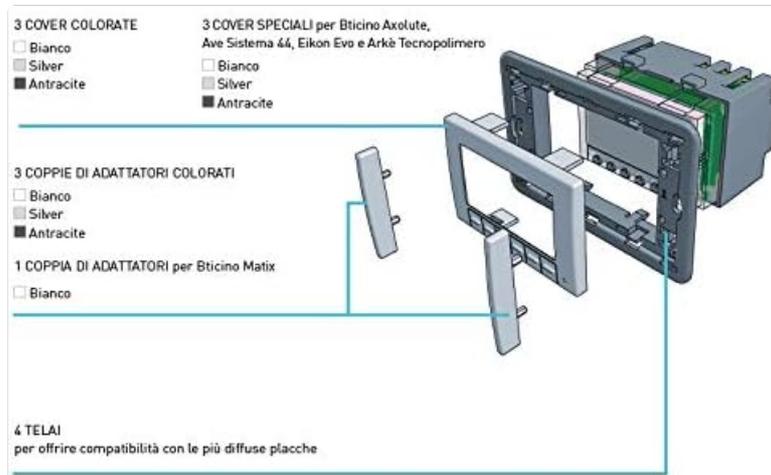


Image 2.1: Exploded view illustrating the various covers, adapters, and frames included for compatibility with different electrical plate series.

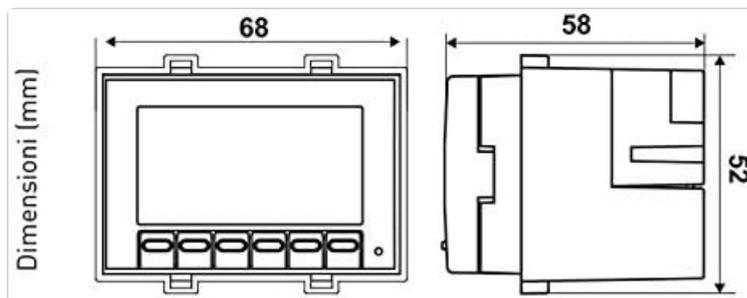


Image 2.2: Dimensional drawing of the CH143A thermostat, showing measurements in millimeters for installation planning.

## 3. OPERATING INSTRUCTIONS

The CH143A thermostat features an intuitive interface with several buttons for navigation and programming.

### 3.1. Basic Controls

- **SEL (Select):** Used to navigate through menus and confirm selections.
- **TEMP (Temperature):** Adjusts the desired temperature settings.
- **PROG (Program):** Accesses the weekly programming menu.
- **DISP (Display):** Changes display information or enters specific settings.
- **JOLLY:** Activates the "Jolly" function for temporary temperature override.
- **OFF:** Turns the thermostat off or exits a menu.

### 3.2. Setting Time and Date

Upon initial power-up or after a prolonged power outage, you may need to set the current time and date. Refer to the detailed instructions in the physical manual for the exact sequence of button presses. The device includes

automatic daylight saving time adjustment.

### 3.3. Temperature Levels

The thermostat allows you to set four distinct temperature levels:

- **T1:** Comfort temperature (e.g., for daytime).
- **T2:** Reduced temperature (e.g., for nighttime or unoccupied periods).
- **T3:** Economy temperature (e.g., for extended absences).
- **Anti-freeze:** Minimum temperature to prevent freezing (e.g., 5°C).

### 3.4. Programming Modes

The CH143A offers several programming options to suit your needs:

- **AUTO Program:** Follows the weekly schedule you have set.
- **Holiday Program:** Allows setting a constant temperature for a specified duration (e.g., during vacation).
- **Jolly Program:** Provides a temporary temperature override for a desired period, after which it returns to the AUTO program. Useful for unexpected changes in schedule.
- **MANUAL Program:** Maintains a constant temperature until manually changed or a different program is selected.

Detailed steps for setting up weekly programs and using special functions are provided in the comprehensive manual included with your product. Programming typically involves selecting the day, time slots (in 30-minute intervals), and desired temperature level (T1, T2, T3, or anti-freeze).

## 4. MAINTENANCE

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The Fantini Cosmi CH143A thermostat requires minimal maintenance.

### 4.1. Cleaning

To clean the thermostat, gently wipe the surface with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or excessive moisture, as these can damage the display or internal components.

### 4.2. Power Supply

This model operates directly on 230V AC power and does not require batteries.

## 5. TROUBLESHOOTING

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If you encounter issues with your CH143A thermostat, refer to the following common problems and solutions.

### 5.1. Display is Blank or Not Responding

- **Check Power Supply:** Ensure the thermostat is receiving 230V AC power. Verify circuit breakers are not tripped.
- **Wiring:** Re-check the wiring connections to ensure they are secure and correct.

### 5.2. Heating/Cooling System Not Responding

- **Program Mode:** Ensure the thermostat is in the desired operating mode (AUTO, MANUAL).
- **Temperature Setting:** Verify that the set temperature is above (for heating) or below (for cooling) the current room temperature.

- **Wiring (Boiler/AC):** Confirm that the boiler or air conditioning unit is correctly wired to the thermostat's output terminals. As noted in the setup section, verify the contact type (N.O. vs N.C.) if issues persist.
- **System Check:** Ensure the heating/cooling system itself is operational and not experiencing other faults.

### 5.3. Incorrect Time or Date

- **Reset:** If the time or date is incorrect after a power interruption, manually reset it using the programming buttons.
- **Daylight Saving:** The thermostat features automatic daylight saving adjustment. If this is not working, consult the full manual for settings related to this feature.

For more complex issues, consult the detailed troubleshooting section in the complete product manual or contact Fantini Cosmi customer support.

## 6. TECHNICAL SPECIFICATIONS

| Feature              | Specification  |
|----------------------|--|
| Model Number         | CH143A   |
| Manufacturer         | Fantini Cosmi S.p.A.   |
| Power Supply         | 230V AC  |
| Dimensions (Product) | 5.2 x 5.8 x 6.8 cm   |
| Weight               | 180 grams  |
| Color Options        | White, Silver, Anthracite                                      |
| Display Type         | Digital  |
| Programming          | Weekly, 30-minute intervals                                    |
| Temperature Levels   | T1, T2, T3, Anti-freeze  |
| Special Functions    | Holiday Program, Jolly Program, Automatic Daylight Saving Time |
| Installation Type    | Built-in   |
| Batteries Required   | No   |

## 7. WARRANTY AND SUPPORT

### 7.1. Warranty Information

Fantini Cosmi products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Fantini Cosmi website. Keep your proof of purchase for warranty claims.

### 7.2. Customer Support

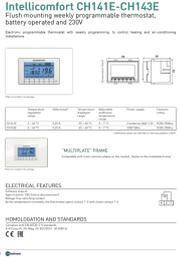
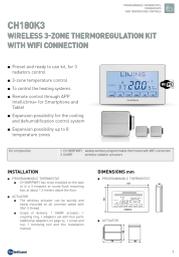
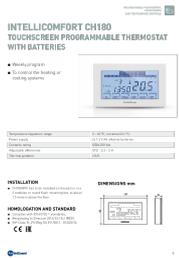
Should you require technical assistance, have questions about installation, or need further support, please contact Fantini Cosmi customer service.

- **Manufacturer:** Fantini Cosmi S.p.A.

- **Website:** [www.fantinicosmi.it](http://www.fantinicosmi.it) (Please check for local contact information)
- **Online Purchase Support:** For issues related to your purchase, returns, or delivery, please contact the retailer (e.g., [Amazon.it product page](https://www.amazon.it)).

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## Related Documents - CH143A

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|---|--|
|    | <p><a href="#">Fantini Cosmi CH180-230V Programmable Thermostat - Quick Guide</a></p> <p>This document provides a quick guide for the Fantini Cosmi CH180-230V programmable thermostat, covering installation, electrical connection, display features, settings, technical specifications, and disposal information.</p>  |
|   | <p><a href="#">Intellicomfort CH141E-CH143E Programmable Thermostat - Fantini Cosmi</a></p> <p>Detailed technical specifications, features, and installation guide for the Fantini Cosmi Intellicomfort CH141E and CH143E flush-mounting weekly programmable thermostats. Learn about their operation, settable temperatures, and compatibility.</p>   |
|  | <p><a href="#">Fantini Cosmi C800WIFI Smart Programmable Thermostat - Features, Specs. and Operation</a></p> <p>Detailed information on the Fantini Cosmi C800WIFI LED programmable thermostat with smart functions. Covers installation, electrical features, general specifications, advanced functions like AGC and geolocation, operational modes, and remote control via the Intelliclima+ app.</p>     |
|  | <p><a href="#">Fantini Cosmi CH180K3 Wireless 3-Zone Thermoregulation Kit with WiFi - Technical Guide</a></p> <p>Comprehensive technical guide for the Fantini Cosmi CH180K3 wireless 3-zone thermoregulation kit, detailing features, installation, electric specifications, general features, operation modes, app control, system examples, and accessories.</p>  |
|  | <p><a href="#">Fantini Cosmi Intellicomfort CH180 Programmable Thermostat - Features &amp; Installation</a></p> <p>Comprehensive guide to the Fantini Cosmi Intellicomfort CH180 touchscreen programmable thermostat. Details include technical specifications, installation instructions, electrical features, general operating modes (Manual, Auto, Holiday, Jolly, Off), and homologation standards.</p> |

FantiniCosmi



Serie C900

OPERAZIONE IN FI (WI-FI) E BATTERIA  
OPERAZIONE IN BATTERIA

SMART Wi-Fi PROGRAMMABLE THERMOSTAT BATTERY POWERED  
OPERAZIONE IN BATTERIA

[Fantini Cosmi C900 Smart Wi-Fi Programmable Thermostat - Installation and User Manual](#)  
Comprehensive installation and user manual for the Fantini Cosmi C900 series smart Wi-Fi programmable thermostat. Learn about setup, operation, features, and troubleshooting.