Fantini Cosmi C67

Fantini Cosmi C67 Programmable Thermostat User Manual

Model: C67

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Fantini Cosmi C67 programmable thermostat. The C67 is designed to offer precise temperature control for your indoor environment, featuring two temperature levels (Comfort, Economy) and a frost protection setting. Key features include:

- Battery-operated functionality.
- Two-wire connection to the user system.
- Wall or 503 box mounting options.
- Digital clock with cavalieri for programming.
- Potentiometers for Comfort and Economy temperature regulation.
- Fixed frost protection at +5 °C.

2. Safety Information

Please read all safety instructions before installing or operating the thermostat. Failure to follow these instructions may result in property damage, personal injury, or death.

- **Electrical Safety:** Installation should be performed by a qualified electrician or competent person. Disconnect power to the heating/cooling system at the main circuit breaker before installation to prevent electrical shock.
- **Battery Handling:** Use only the specified battery type. Do not mix old and new batteries, or different types of batteries. Dispose of used batteries according to local regulations.
- **Intended Use:** This thermostat is designed for indoor use only. Do not expose it to water, extreme temperatures, or high humidity.

3. Package Contents

Verify that all components are present in the package:

- Fantini Cosmi C67 Thermostat Unit
- Wall mounting bracket
- Connection cable/wire (for connectivity)
- Instruction Manual (this document)

Note: Batteries are not included and must be purchased separately.

4. Installation

4.1 Mounting Location

Choose a location on an interior wall, approximately 1.5 meters (5 feet) above the floor, away from direct sunlight, drafts, and heat sources (e.g., radiators, televisions). Ensure the location allows for accurate temperature sensing.

4.2 Physical Installation

1. **Prepare the Area:** Turn off power to the heating system at the main circuit breaker.
2. **Mounting Bracket:** Secure the wall mounting bracket to the wall using appropriate screws and anchors. The thermostat can be mounted directly on the wall or within a standard 503 electrical box.
3. **Wiring:** Connect the two wires from your heating system to the designated terminals on the thermostat. This thermostat requires a simple 2-wire connection. Ensure connections are secure.
4. **Battery Installation:** Open the battery compartment. Insert the required batteries (not included), ensuring correct polarity (+/-).
5. **Attach Thermostat:** Carefully align the thermostat unit with the mounted bracket and snap it into place.
6. **Restore Power:** Turn the power back on at the main circuit breaker.



Figure 1: Front view of the Fantini Cosmi C67 Thermostat, showing the display, control knobs, and buttons.

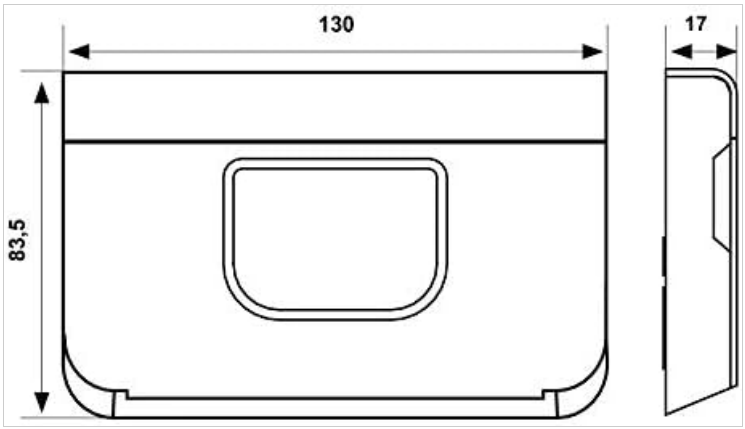


Figure 2: Dimensional diagram of the Fantini Cosmi C67 Thermostat, showing measurements of 130mm width, 83.5mm height, and 17mm depth.

5. Operation

5.1 Display Overview

The basic display shows the current temperature and time. Indicators for active mode (Comfort, Economy, Frost) and heating status may also be present.

5.2 Setting Temperature Levels

- **Comfort Temperature:** Use the dedicated potentiometer (knob) to set your desired comfort

temperature. This is typically the temperature you prefer when actively occupying the space.

- **Economy Temperature:** Use the dedicated potentiometer (knob) to set the economy temperature. This is a lower temperature setting for periods when the space is unoccupied or during sleep.
- **Frost Protection:** The thermostat has a fixed frost protection setting at +5 °C (41 °F) to prevent pipes from freezing when the heating system is off or in a very low-temperature mode.

5.3 Programming the Digital Clock

The digital clock features "cavalieri" (riders/pins) for weekly programming. Refer to the specific markings on the clock dial for setting desired on/off times for Comfort and Economy modes throughout the week. Detailed programming steps are usually found on the device itself or in a quick-start guide.

5.4 Mode Selection

Use the mode selector switch (often labeled AUTO/MANUAL or similar icons) to choose between:

- **AUTO Mode:** The thermostat follows the programmed schedule, switching between Comfort and Economy temperatures based on the digital clock settings.
- **Manual Mode:** The thermostat maintains a constant temperature, typically the Comfort setting, overriding the programmed schedule. This is useful for temporary changes.
- **OFF/Frost Mode:** Turns off heating, but maintains frost protection at +5 °C.

6. Maintenance

6.1 Battery Replacement

When the battery low indicator appears on the display, replace the batteries promptly. Turn off the heating system at the main circuit breaker before replacing batteries. Open the battery compartment, remove old batteries, insert new ones with correct polarity, and close the compartment. Dispose of old batteries responsibly.

6.2 Cleaning

Clean the thermostat casing with a soft, dry cloth. Do not use abrasive cleaners, solvents, or spray directly onto the unit, as this may damage the plastic or electronic components.

7. Troubleshooting

Problem	Possible Cause	Solution
Display is blank or dim.	Dead or low batteries.	Replace batteries with new ones.
Heating system not responding.	Incorrect wiring; Power off at circuit breaker; Thermostat in OFF/Frost mode; Temperature setting too low.	Check wiring connections; Ensure power is on; Select AUTO or Manual mode; Increase desired temperature setting.
Thermostat not following schedule.	Thermostat in Manual mode; Incorrect programming.	Switch to AUTO mode; Review and adjust programming settings.

Problem	Possible Cause	Solution
Audible alert sounds.	System fault or specific alert condition (refer to display for code if available).	Check display for error codes. Consult a professional if the issue persists.

If you encounter issues not listed here or if solutions do not resolve the problem, contact customer support or a qualified technician.

8. Specifications

Feature	Detail
Model Number	C67
Manufacturer	Fantini Cosmi S.p.A.
Dimensions (L x W x H)	8.4 x 1.7 x 13 cm (approx. 130 x 83.5 x 17 mm)
Weight	120 g
Material	Plastic (ABS)
Power Source	Battery operated
Voltage	230 Volts (for connected system)
Display Type	Basic display
Mounting Type	Wall mount
Special Features	Audible alert
Usage	Indoor

9. Warranty and Support

Fantini Cosmi products are manufactured to high-quality standards. For information regarding warranty coverage, please refer to the warranty card included with your purchase or visit the official Fantini Cosmi website.

For technical assistance, troubleshooting, or spare parts, please contact Fantini Cosmi customer support through their official channels. Keep your purchase receipt and model number (C67) handy when contacting support.

Official Website: www.fantinicosmi.it