

GIACOMINI K494IY002

GIACOMINI K494I Electronic Room Thermostat K494IY002 User Manual

Model: K494IY002

1. PRODUCT OVERVIEW

The GIACOMINI K494I Electronic Room Thermostat, model K494IY002, is designed for precise temperature control in residential and commercial environments. This flush wall-mounted thermostat offers flexible power options (230 V/50 Hz or battery) and features a clear display with graphic symbols for intuitive operation. It supports various operating modes including comfort, economy, and off/frost protection, contributing to energy efficiency with an energy efficiency class IV rating.

The K494IY002 model specifically includes summer/winter management functionality, allowing for adaptable climate control throughout the year.

2. SAFETY INFORMATION

Warning: Installation and wiring of this device must be performed by a qualified electrician in accordance with local electrical codes and regulations. Incorrect installation can lead to electric shock, fire, or damage to the device.

- Always disconnect power to the heating system at the main circuit breaker before installation or maintenance.
- Do not expose the thermostat to water or excessive humidity.
- Ensure the device is securely mounted to prevent accidental dislodgement.
- Keep out of reach of children.

3. SETUP AND INSTALLATION

The K494IY002 thermostat is designed for flush wall mounting within standard 3-module boxes (type 503). Mounting screws are included with the product.

3.1 Mounting

1. Ensure the power supply to the installation area is disconnected.
2. Prepare a 3-module box (type 503) in the desired wall location.

3. Connect the electrical wiring as per the wiring diagram (refer to the separate wiring diagram provided with the product packaging).
4. Carefully insert the thermostat into the 3-module box and secure it using the provided screws.
5. Restore power to the system after installation is complete.

3.2 Power Supply

The thermostat can be powered by either a 230 V/50 Hz mains supply or batteries. Ensure the correct power source is connected during installation.



This image displays the GIACOMINI K494I Electronic Room Thermostat K494IY002. It shows two units, highlighting the front panel with its display and push buttons, along with the integrated mounting frame designed for flush wall installation.

4. OPERATING INSTRUCTIONS

The K494IY002 thermostat features a display with graphic symbols and push-button controls for easy operation.

4.1 Function Selection

Use the push buttons to navigate through the available functions and modes. The graphic symbols on the display will indicate the currently selected mode.

- **Comfort Mode:** Maintains a set comfortable temperature.
- **Economy Mode:** Maintains a lower, energy-saving temperature.
- **Off/Frost Protection Mode:** Turns off heating while preventing freezing temperatures.

4.2 Temperature Adjustment

Press the appropriate buttons (usually indicated by up/down arrows) to increase or decrease the desired temperature setting for the active mode.

4.3 Backlight

The display features a backlight for improved visibility in low-light conditions.

4.4 Summer/Winter Management

The K494IY002 model includes functionality to manage heating and cooling based on seasonal requirements. Refer to the detailed programming instructions in the full product manual for configuration.

5. MAINTENANCE

5.1 Cleaning

Clean the thermostat's exterior with a soft, dry cloth. Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the device.

5.2 Battery Replacement (if applicable)

If the thermostat is battery-powered, replace batteries when the low battery indicator appears on the display. Use the specified battery type and dispose of old batteries responsibly.

6. TROUBLESHOOTING

- **No Display/No Power:** Check the main power supply or replace batteries if applicable. Ensure all wiring connections are secure.
- **Incorrect Temperature Reading:** Ensure the thermostat is not exposed to direct sunlight, drafts, or heat sources that could affect its sensor.
- **Heating System Not Responding:** Verify that the thermostat is in the correct operating mode (e.g., Comfort, not Off/Frost Protection). Check the heating system's power supply and settings.

For persistent issues, consult a qualified technician or contact GIACOMINI customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	GIACOMINI
Model Number	K494IY002
Power Supply	230 V/50 Hz or Battery
Contact Rating	5 (3) A, 250 Vca (Free voltage changeover contact)
Protection Class	IP20
Energy Efficiency Class	IV, 2% (according to Reg. (EU) N.811/2013-813/2013)
Mounting Type	Flush wall mounting (3-module box, type 503)
Display	Graphic symbols, Backlight
Controller Type	Push button
Item Weight	199.58 g
Color	White
First Available Date	February 21, 2020

8. WARRANTY AND SUPPORT

Specific warranty details for the GIACOMINI K494I Electronic Room Thermostat K494IY002 are typically provided with the product packaging or can be obtained from your retailer or the official GIACOMINI website. For technical support, service, or warranty claims, please contact your point of purchase or GIACOMINI customer service directly.

