

KPS 300300065

KPS CONFORTLINE CRONO Digital Chronothermostat User Manual

Model: 300300065

1. INTRODUCTION

The KPS CONFORTLINE CRONO Digital Chronothermostat is designed for precise control of heating and cooling systems. This device offers flexible hourly programming, allowing users to optimize energy consumption and maintain desired comfort levels. It features a backlit LCD screen for clear display of temperature and settings, and an intuitive rotary dial for easy adjustments. This manual provides comprehensive instructions for installation, operation, and maintenance to ensure optimal performance of your chronothermostat.



Figure 1: Front view of the KPS CONFORTLINE CRONO Digital Chronothermostat, showing the backlit LCD screen and rotary dial.

2. KEY FEATURES

- **Digital Chronothermostat:** Designed for accurate control of heating or cooling equipment.
- **Flexible Hourly Programming:** Allows precise scheduling for energy efficiency and comfort.
- **Easy Installation and Setup:** User-friendly design for straightforward mounting and configuration.
- **Backlit LCD Screen:** Provides clear visibility of current temperature, set temperature, time, and operating mode.
- **Intuitive Rotary Dial:** Simplifies the adjustment of schedules and settings.
- **Multiple Operating Modes:** Includes Manual, Automatic, Holiday, and Anti-freeze modes.
- **Predefined Programs:** Comes with two pre-configured programs for quick setup.
- **Adjustable Temperature Settings:** Allows customization of comfort and economy temperature levels.

3. SETUP AND INSTALLATION

3.1. Mounting the Thermostat

The KPS CONFORTLINE CRONO is designed for wall mounting. Ensure the chosen location is away from direct sunlight, drafts, or heat sources that could affect temperature readings.

1. Carefully separate the front panel of the thermostat from its back plate.
2. Position the back plate on the wall at the desired height.
3. Mark the drilling points through the designated holes on the back plate.
4. Drill holes and insert wall plugs if necessary.
5. Secure the back plate to the wall using the provided screws.

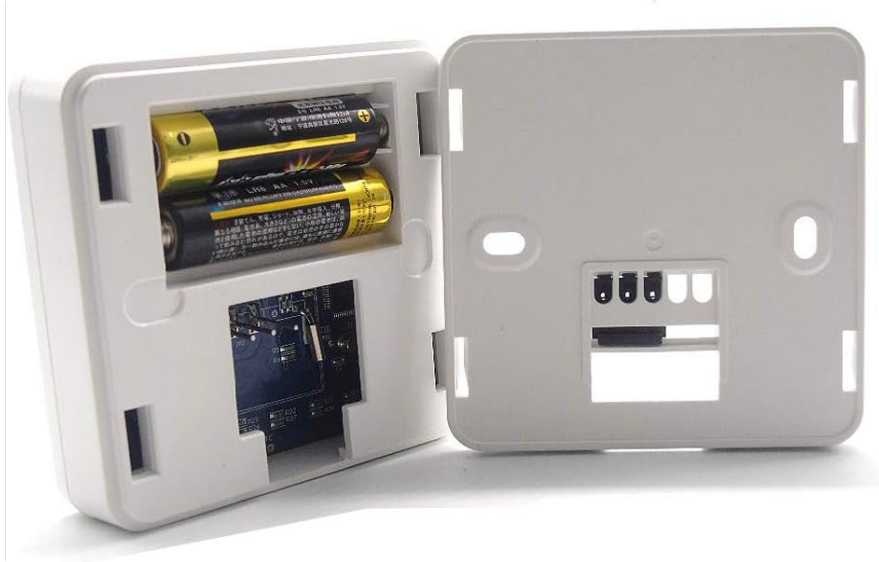


Figure 2: The back plate of the thermostat, showing mounting points and included screws for wall installation.

3.2. Battery Installation

The chronothermostat operates on 2 AA 1.5V batteries (not included).

1. Open the battery compartment located on the back of the thermostat's front panel.
2. Insert two AA 1.5V batteries, ensuring correct polarity (+/-).
3. Close the battery compartment securely.



Figure 3: The open battery compartment, illustrating the correct placement of two AA batteries.

3.3. Wiring Connections

WARNING: Electrical installation should be performed by a qualified professional. Ensure power is disconnected before making any wiring connections.

The thermostat provides potential-free contacts for connection to your heating or cooling system.

- **COM (Common):** Public terminal of the relay.
- **NO (Normally Open):** Connect for heating systems.
- **NC (Normally Closed):** Connect for cooling systems.

For Heating Systems: Connect the system's control wires to the **COM** and **NO** terminals.

For Cooling Systems: Connect the system's control wires to the **COM** and **NC** terminals.



Figure 4: Detailed wiring diagram illustrating connections for both heating (COM + NO) and cooling (COM + NC) systems.

3.4. Final Assembly

Once wiring and battery installation are complete, carefully align the front panel with the mounted back plate and snap it into place until it is securely fastened.

4. OPERATING INSTRUCTIONS

4.1. Power On and Initial Display

After battery installation, the thermostat will power on and display the current room temperature, set temperature, and time on the backlit LCD screen.

4.2. Operating Modes

The chronothermostat offers several operating modes:

- **Automatic Mode:** Follows the programmed schedule for temperature control.
- **Manual Mode:** Allows you to set a constant temperature that overrides the schedule until the mode is changed.
- **Holiday Mode:** Maintains a specific temperature for a set duration, ideal for when you are away.
- **Anti-freeze Mode:** Prevents temperatures from dropping below a critical point (e.g., 5°C) to protect pipes from freezing.

4.3. Setting Temperature

To adjust the desired temperature, rotate the dial on the front of the thermostat. The set temperature will be displayed on the screen, and the system will adjust to reach this target.

4.4. Programming Schedules

The device allows for hourly programming to define comfort and economy temperature settings throughout the day and week. Refer to the detailed programming section in the full manual for step-by-step instructions on setting custom schedules or activating the two predefined programs.

5. SPECIFICATIONS

Brand	KPS
Model Number	300300065
Color	White
Product Dimensions (L x W x H)	2.9 x 8.6 x 2.9 cm
Item Weight	170 grams
Voltage	250 Volts
Power Source	Battery Powered (2 AA batteries required)
Controller Type	Rotary Dial
Special Feature	Flexible Programming
Specific Uses	Heating, Air Conditioning
Temperature Control Type	Digital
Connectivity Technology	Wired
Components Included	Thermostat

6. TROUBLESHOOTING

If you encounter issues with your KPS CONFORTLINE CRONO chronothermostat, consider the following common solutions:

- **No Display/Power:** Check if the batteries are correctly inserted and have sufficient charge. Replace batteries if necessary.
- **Incorrect Temperature Reading:** Ensure the thermostat is not exposed to direct sunlight, drafts, or heat sources. Allow time for the sensor to stabilize after installation.
- **System Not Responding (Heating/Cooling):** Verify all wiring connections are secure and correct according to the installation diagram (Figure 4). Check the operating mode to ensure it is not in an inactive state (e.g., Holiday mode when you expect heating).
- **Programming Issues:** Review the programming steps carefully. Ensure the current time and day are set correctly.

For persistent issues, please contact technical support.

7. MAINTENANCE

The KPS CONFORTLINE CRONO chronothermostat requires minimal maintenance:

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries annually or when the low battery indicator appears on the display to ensure continuous operation.
- **Avoid Obstructions:** Ensure no objects block the thermostat's vents or sensors, as this can affect temperature accuracy.

8. WARRANTY AND SUPPORT

The KPS CONFORTLINE CRONO Digital Chronothermostat comes with a **3-year warranty**. KPS also offers **lifetime technical support** for this product.

For technical assistance, warranty claims, or further information, please refer to the contact details provided with your product packaging or visit the official KPS website.

Related Documents - 300300065

	KPS Catalogue Sommaire: Contrôle Énergétique et Solutions Industrielles Découvrez le catalogue complet de KPS, présentant des solutions innovantes en contrôle énergétique, instrumentation de mesure, matériel d'installation, dispositifs de protection, connexions industrielles, coffrets et signalisation. Améliorez l'efficacité énergétique de vos installations avec des produits de haute qualité fabriqués en Europe.
	KPS CONFORTLINE TERMODIGI: Manual de Usuario Termostato Digital Descubre el termostato digital KPS CONFORTLINE TERMODIGI. Este manual de usuario cubre instalación, programación y características para optimizar su sistema de calefacción y refrigeración.
	KPS MT700 Digital Multimeter User Guide and Safety Precautions Comprehensive guide for the KPS MT700 Digital Multimeter, covering features, safety instructions, usage, maintenance, and part replacement. Learn how to safely operate your digital multimeter.
	KPS MT70 True-RMS Pocket Multimeter User Manual Comprehensive user manual for the KPS MT70 True-RMS Pocket Multimeter, covering safety information, product overview, technical specifications, operating instructions, and maintenance.
	KPS MT30 Digital Multimeter User Manual Comprehensive user manual for the KPS MT30 Digital Multimeter, covering features, safety information, technical specifications, and measurement procedures.



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