

KPS 300300066

KPS CONFORTLINE CRONO RF Digital Programmable Radio Frequency Thermostat

USER MANUAL

1. Introduction

The KPS CONFORTLINE CRONO RF is a digital programmable thermostat designed for heating or air conditioning systems. It features a wireless communication system between its emitter and receiver units, offering flexible placement and remote temperature control. This manual provides essential information for the safe and efficient operation of your thermostat.

2. Safety Information

- Installation should only be performed by qualified personnel to prevent electrical hazards.
- Ensure the main power supply is disconnected before any installation or maintenance work.
- Do not expose the device to extreme temperatures, humidity, or direct sunlight.
- Keep the device away from water and other liquids.
- Use only the specified battery type for the emitter unit.

3. Package Contents

Please check that all components are present in the package:

- 1 x Emitter Unit (Thermostat)
- 1 x Receiver Unit
- Mounting accessories (screws, wall plugs)
- User Manual

Note: 2 AA 1.5V batteries for the emitter unit are **not included**.

4. Setup

4.1. Mounting the Units

The KPS CONFORTLINE CRONO RF system consists of two main units: an emitter (thermostat) and a receiver. The emitter unit is designed for surface wall mounting, allowing flexible placement within your living space. The receiver unit should be connected to your heating system (boiler) and a 230V mains power supply.

The maximum communication range between the emitter and receiver is 100 meters in open air and over 30 meters inside buildings, thanks to its radio frequency communication.



Figure 1: KPS CONFORTLINE CRONO RF Emitter (left) and Receiver (right) Units.

4.2. Powering the Units

- **Emitter Unit:** Insert 2 AA 1.5V batteries (not included) into the battery compartment on the back of the emitter unit.
- **Receiver Unit:** Connect the receiver unit to a 230V 50/60Hz mains power supply and to your heating system (e.g., gas boiler or electric heating). Wiring requires professional electricians.



Figure 2: Back view of the Receiver Unit with wiring terminals. Professional installation is recommended.

4.3. Initial Pairing (if necessary)

The emitter and receiver units are typically pre-paired at the factory. If they do not communicate, refer to the detailed pairing instructions in the full product manual or contact customer support.

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Video 1: This video demonstrates the installation and pairing process for a similar RF programmable boiler thermostat. It provides a visual guide to connecting the units and establishing communication.

5. Operating Instructions

The emitter unit features an LCD screen with backlighting and a selection dial for easy navigation and temperature adjustment.

5.1. Display and Controls

The LCD screen displays ambient temperature, set temperature, time, and current operating mode. Use the selection dial to navigate menus and adjust settings.

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Video 2: This video illustrates the general operation and temperature adjustment using a dial on a similar smart thermostat. It highlights the intuitive control for setting desired temperatures.

5.2. Operating Modes

The thermostat offers multiple operating modes to suit your needs:

- **Automatic Mode:** Follows the programmed schedule for temperature control.
- **Manual Mode:** Allows you to set a constant temperature that overrides the schedule until changed.
- **Temporary Manual Mode:** Sets a temporary temperature that will revert to the automatic schedule after a set period.
- **Holiday Mode:** Maintains a specific temperature for an extended period, ideal for when you are away.

5.3. Programming

The thermostat supports configurable programming with 6 daily intervals. Two pre-configured programs are included for quick setup. Refer to the full manual for detailed instructions on customizing your heating schedule.

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Video 3: This video demonstrates the basic operation and temperature adjustment using the dial on a similar smart thermostat, providing a quick overview of its functionality.

5.4. Display Settings

The thermostat's LCD display is backlit for clear visibility. You can adjust settings related to the display, such as keeping it always on, if desired.

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Video 4: This video explains how to keep the thermostat's screen always on, a useful feature for continuous monitoring of temperature settings.

6. Maintenance

- Clean the thermostat's surface with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Replace the emitter unit batteries when the low battery indicator appears on the display.
- Ensure the receiver unit's power connection is secure.

7. Troubleshooting

- **No Display/Power:** Check batteries in the emitter unit. Ensure the receiver unit is properly connected to the 230V mains supply.
- **No Communication (RF):** Verify that both units are powered. Ensure they are within the specified communication range. Re-pair the units if necessary (refer to the full manual).
- **Incorrect Temperature Reading:** Ensure the emitter unit is not placed near heat sources or in direct sunlight. Calibrate the temperature if an offset is detected (refer to the full manual).
- **Heating System Not Responding:** Check the wiring connections between the receiver unit and the boiler. Ensure the thermostat is in an active heating mode (e.g., Manual or Automatic with a set temperature above ambient).

8. Specifications

| Feature | Specification |
|-------------------------|---------------------------------------|
| Model Number | 300300066 |
| Brand | KPS |
| Type | Digital Programmable Thermostat |
| Connectivity Technology | Radio Frequency (RF) |
| Communication Range | Up to 100m (open air), >30m (indoors) |
| Emitter Power Supply | 2 x AA 1.5V Batteries (not included) |

| | |
|-------------------------------|--|
| Receiver Power Supply | 230V 50/60Hz Mains Connection |
| Display Type | LCD with Backlight |
| Temperature Measurement Range | 0°C - 40°C |
| Temperature Accuracy | 0.5°C |
| Temperature Setting Range | 5°C - 35°C |
| Switching Contact | Potential-free, max 5A/230V |
| Operating Modes | Automatic, Manual, Temporary Manual, Holiday |
| Programming | 6 daily intervals, 2 pre-configured programs |
| Emitter Dimensions | 86x86x29 mm |
| Receiver Dimensions | 86x86x29 mm |
| Weight | 300 g (total product) |
| Certifications | EN 60730-1:2011, EN 60730-2-9:2010 |

9. Warranty and Support

This KPS product is covered by a standard manufacturer's warranty. For detailed warranty terms and conditions, please refer to the documentation provided with your purchase or visit the KPS official website.

For technical support, troubleshooting assistance, or any questions regarding your KPS CONFORTLINE CRONO RF thermostat, please contact KPS customer service through the contact information provided in your product packaging or on the official KPS website.