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› ISNATCH CHRONOTHERMOSTAT Numérique Digital Programmable Thermostat User Manual

ISNATCH CRONOTERMOSTATO Digitale

ISNATCH CHRONOTHERMOSTAT Numérique Digital Programmable Thermostat User Manual

Model: CRONOTERMOSTATO Digitale

1. INTRODUCTION

This manual provides comprehensive instructions for the ISNATCH CHRONOTHERMOSTAT Numérique, an electronic digital programmable thermostat designed for controlling both heating and cooling systems. It features weekly programming capabilities and is suitable for installations with 230V boilers. Please read this manual thoroughly before installation and operation to ensure correct usage and optimal performance.

2. PRODUCT OVERVIEW AND FEATURES

The ISNATCH CHRONOTHERMOSTAT Numérique is an advanced electronic thermostat offering precise temperature control and flexible scheduling. Its user-friendly interface and robust design make it an ideal solution for managing your home's climate.

Key Features:

- Weekly programming for customized temperature schedules.
- Compatible with 230V heating and cooling installations.
- Operates on 3V power (2 x AA batteries).
- Adjustable temperature range: 5°C to 30°C.
- Minimum differential setting: $\pm 0.5^\circ\text{C}$.
- Four selectable temperature levels (Auto, Day, Night).
- Integrated anti-freeze and holiday functions.
- Backlit digital display for clear visibility.
- Designed for direct installation on a standard 503 box.
- Compact dimensions: 130 x 84 x 30 mm; Weight: 142 g.



Figure 1: Front view of the ISNATCH CHRONOTHERMOSTAT Numérique, displaying the current time, temperature, and mode indicators. Control buttons for day/night mode and temperature adjustment are visible on the right side.

3. SAFETY INFORMATION

Adherence to the following safety guidelines is crucial for preventing damage to the device and ensuring user safety:

- **Electrical Safety:** Always disconnect the main power supply to the heating/cooling system before attempting any installation, wiring, or maintenance procedures.
- **Professional Installation:** Installation should be performed by a qualified electrician or a competent professional to ensure compliance with local electrical codes and safety standards.
- **Power Source:** Use only the specified power source (2 x AA batteries for the thermostat's internal functions, 230V for boiler control). Do not attempt to power the device with incompatible voltage.
- **Environmental Conditions:** Do not expose the thermostat to direct water, excessive humidity, or extreme temperatures outside its operating range (5°C to 30°C).
- **Cleaning:** Clean the device with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or chemical sprays.
- **Disassembly:** Do not attempt to disassemble or repair the thermostat yourself. Refer all servicing to qualified personnel.

4. INSTALLATION

The ISNATCH CHRONOTHERMOSTAT Numérique is designed for straightforward installation on a standard 503 electrical box. Follow these steps carefully:

1. **Power Disconnection:** Ensure the main power supply to your heating/cooling system is completely disconnected at the circuit breaker before beginning installation.
2. **Mounting Plate:** Separate the front panel of the thermostat from its back mounting plate. The mounting plate is designed to fit directly onto a standard 503 electrical box.
3. **Wiring:** Connect the thermostat's wiring to your 230V boiler control system according to the wiring diagram

provided with your heating system and the thermostat's terminals. Ensure all connections are secure and correctly insulated.

4. **Secure Mounting:** Mount the back plate securely to the 503 box using appropriate screws.
5. **Battery Insertion:** Insert 2 new AA batteries into the designated battery compartment on the back of the thermostat's front panel. Observe correct polarity.
6. **Attach Front Panel:** Carefully reattach the front panel of the thermostat to the mounted back plate, ensuring it clicks securely into place.
7. **Power Reconnection:** Restore power to your heating/cooling system at the circuit breaker.



Figure 2: Rear view of the thermostat's mounting plate, illustrating the design for direct installation onto a 503 electrical box and the location of wiring terminals.

5. INITIAL SETUP

After successful installation and power-up, perform the initial setup:

1. **Battery Installation:** Ensure 2 AA batteries are correctly installed. The display should illuminate.
2. **Set Current Time and Day:** Use the appropriate buttons (refer to the specific button labels on your device, typically marked with 'SET' or clock icons) to set the current time and day of the week.
3. **Initial Temperature Setting:** The thermostat will display a default temperature. Use the '+' and '-' buttons to set your desired initial temperature.
4. **Mode Selection:** Select the desired operating mode (e.g., 'Auto' for programmed operation, 'Day' for continuous comfort temperature, 'Night' for continuous economy temperature).

6. OPERATING INSTRUCTIONS

The ISNATCH CHRONOTHERMOSTAT Numérique offers various functions for precise climate control:

6.1. Temperature Adjustment

In any mode, use the + and - buttons on the right side of the thermostat to manually increase or decrease the target temperature. This adjustment may be temporary depending on the selected operating mode.

6.2. Operating Modes

The thermostat supports multiple operating modes, typically selected via dedicated buttons (often represented by sun/moon icons or 'MODE' button):

- **Auto Mode:** The thermostat follows the programmed weekly schedule. This is the recommended mode for energy efficiency and consistent comfort.
- **Day Mode (Comfort):** Maintains a continuous comfort temperature, overriding any programmed schedule. This is typically indicated by a sun icon.
- **Night Mode (Economy):** Maintains a continuous economy temperature, overriding any programmed schedule. This is typically indicated by a moon icon.

6.3. Weekly Programming

The thermostat allows for weekly programming with 4 selectable temperature levels. Consult the detailed programming section in the full product manual (if available) for specific steps on setting daily schedules. Generally, this involves:

1. Entering programming mode (often by pressing a 'PROG' or 'SET' button for several seconds).
2. Selecting the day or group of days for programming.
3. Setting time periods and corresponding temperature levels for each period.
4. Saving the program and exiting programming mode.

6.4. Anti-Freeze Function

The anti-freeze function automatically activates heating if the ambient temperature drops below a preset minimum (e.g., 5°C) to prevent pipes from freezing. This function is typically active in certain modes or can be manually enabled.

6.5. Holiday Function

The holiday function allows you to set a specific temperature for an extended period (e.g., during a vacation), overriding the regular schedule. This helps save energy while you are away and ensures the system reactivates before your return.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your thermostat:

- **Battery Replacement:** The thermostat operates on 2 AA batteries. When the low battery indicator appears on the display, replace both batteries promptly. Always use new, high-quality alkaline AA batteries.
- **Cleaning:** Periodically clean the exterior of the thermostat with a soft, dry, lint-free cloth. Do not use liquid cleaners, aerosols, or abrasive materials, as these can damage the device.
- **Sensor Clearance:** Ensure that the thermostat's temperature sensor (usually a small opening on the device) is not obstructed by dust or objects, as this can affect temperature readings.

8. TROUBLESHOOTING

If you encounter issues with your ISNATCH CHRONOTHERMOSTAT Numérique, refer to the following common problems and solutions:

- **Thermostat Not Powering On:**
Solution: Check if the AA batteries are correctly inserted and fully charged. Replace them if necessary.
- **Display is Blank or Faint:**

Solution: This typically indicates low battery power. Replace the AA batteries.

- **Heating/Cooling System Not Responding:**

Solution:

- a. Verify that the thermostat is set to the correct operating mode (e.g., 'Auto' or 'Day' for heating, 'Auto' for cooling).
- b. Ensure the target temperature is set appropriately (higher than ambient for heating, lower for cooling).
- c. Check the wiring connections to the boiler/HVAC system. Ensure they are secure.
- d. Confirm that the main power supply to the heating/cooling system is on.

- **Temperature Readings Seem Inaccurate:**

Solution: Ensure the thermostat is not exposed to direct sunlight, drafts, or heat sources that could affect its internal sensor. Clean any dust from the sensor opening.

- **Delay in System Activation:**

Solution: Some heating systems may have a slight delay (e.g., up to 2 minutes) between the thermostat sending a command and the system activating. This is normal for certain setups.

- **Programming Issues:**

Solution: If the schedule is not working as expected, re-enter the programming mode and carefully review your settings for each day and time period.

If problems persist after attempting these solutions, contact ISNATCH customer support or a qualified technician.

9. SPECIFICATIONS

Technical specifications for the ISNATCH CHRONOTHERMOSTAT Numérique:

Brand	ISNATCH
Model Name	CRONOTERMOSTATO Digitale
Power Source	3 V (2 x AA batteries)
Voltage (Boiler Control)	230 Volts
Max Load	8 A / 250 Vac
Selectable Temperature Range	5 – 30 °C
Minimum Differential Setting	± 0.5 °C
Programmable Days	7 days (weekly programming)
Installation Type	503 Box
Display Type	Backlit Digital Display
Dimensions (L x W x H)	130 x 84 x 30 mm
Weight	142 g

10. WARRANTY AND SUPPORT

Warranty information for the ISNATCH CHRONOTHERMOSTAT Numérique is not explicitly provided in the product details. For specific warranty terms, conditions, and duration, please contact ISNATCH customer support directly or refer to the documentation included with your purchase.

For technical assistance, troubleshooting beyond this manual, or to inquire about spare parts, please reach out to

the manufacturer's customer service department. Contact details can typically be found on the product packaging or the official ISNATCH website.