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## Immergas 7T.81.0.000.2301

# Immergas CARV2 Wireless Chronothermostat User Manual

Model: 7T.81.0.000.2301

Brand: Immergas

## 1. INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your Immergas CARV2 Wireless Chronothermostat. Please read this manual thoroughly before using the device to ensure proper functionality and safety. This device is designed for precise temperature control in HVAC systems.

## 2. SAFETY INFORMATION

Always observe the following safety precautions:

- Installation should only be performed by qualified personnel in accordance with local electrical codes.
- Disconnect power before performing any installation or maintenance.
- Do not expose the device to water or excessive humidity.
- Do not attempt to repair the device yourself. Refer all servicing to qualified service personnel.
- Ensure the power supply matches the device's specifications (230 Volts).

## 3. PRODUCT OVERVIEW

The Immergas CARV2 is a wireless digital chronothermostat designed for efficient heating and cooling management. It features a clear display and intuitive controls for setting desired temperatures and programming schedules.



Figure 3.1: Immergas CARV2 Wireless Chronothermostat (top) showing the display with temperature and time, and control buttons (INFO, AUTO, +, -). Below it is the wireless receiver unit (bottom) with a small indicator light.

### 3.1 Components

- **Thermostat Unit:** The main control unit with display and buttons.
- **Wireless Receiver Unit:** Connects to the HVAC system and communicates wirelessly with the thermostat unit.

### 3.2 Display and Buttons

The thermostat unit features a digital display showing current temperature, set temperature, time, and operating mode. Control buttons include:

- **INFO Button:** Accesses information screens.
- **AUTO Button:** Toggles between automatic and manual operating modes.
- **+ Button:** Increases temperature setting or navigates menus.
- **- Button:** Decreases temperature setting or navigates menus.

## 4. SETUP AND INSTALLATION

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Proper installation is crucial for optimal performance. Refer to the detailed wiring diagrams provided with the product packaging for specific connections.

### 4.1 Receiver Unit Installation

1. Ensure power to the HVAC system is turned off at the main breaker.
2. Mount the receiver unit near your boiler or heating system, ensuring it is within wireless range of the thermostat unit.

3. Connect the receiver unit to your HVAC system's control wiring according to the provided wiring diagram. This typically involves connecting to the boiler's thermostat terminals.
4. Secure the receiver unit to the wall or mounting surface.

## 4.2 Thermostat Unit Placement

- Place the thermostat unit in a central location within the heated area, away from direct sunlight, drafts, or heat sources (e.g., lamps, appliances).
- Ensure the location allows for accurate room temperature sensing.
- The thermostat unit is battery-powered (batteries not included, typically AA or AAA). Insert fresh batteries before initial use.

## 4.3 Initial Pairing (if required)

Some units may require initial pairing between the thermostat and receiver. Refer to the quick start guide for specific pairing instructions. Generally, this involves pressing a pairing button on both units within a short timeframe.

# 5. OPERATING INSTRUCTIONS

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## 5.1 Power On and Initial Display

Once batteries are inserted and the receiver is powered, the thermostat display will illuminate, showing the current room temperature and time.

## 5.2 Setting Time and Date

Access the settings menu (often by holding the INFO button) to set the correct time and date. Use the + and - buttons to adjust values and the INFO or AUTO button to confirm and move to the next setting.

## 5.3 Operating Modes

- **Automatic Mode (AUTO):** The thermostat follows the programmed weekly schedule. Press the AUTO button to activate this mode.
- **Manual Mode:** Allows you to set a constant desired temperature that overrides the schedule. Press the AUTO button until the manual mode indicator appears. Use + and - to adjust the temperature.
- **Off Mode:** Turns off heating/cooling. Consult the manual for specific steps to enter this mode, often by setting a very low temperature or a dedicated off setting.

## 5.4 Temperature Adjustment

In manual mode, or during a temporary override in auto mode, use the + and - buttons to increase or decrease the desired temperature. The new setpoint will be displayed.

## 5.5 Programming Weekly Schedule

The CARV2 allows for a detailed weekly programming schedule. This typically involves setting different temperatures for various times of the day across each day of the week.

1. Enter programming mode (refer to your specific model's manual, often by holding INFO or AUTO for several seconds).
2. Select the day of the week you wish to program.
3. Set the desired temperature for specific time intervals (e.g., 6:00 AM - 8:00 AM, 8:00 AM - 5:00 PM, etc.).
4. Repeat for all desired time intervals and days.
5. Save and exit programming mode.

## 6. MAINTENANCE

### 6.1 Cleaning

Clean the thermostat unit with a soft, dry cloth. Do not use abrasive cleaners, solvents, or spray directly onto the unit. Ensure no moisture enters the device.

### 6.2 Battery Replacement

When the low battery indicator appears on the display, replace the batteries immediately. Use high-quality alkaline batteries (e.g., AA or AAA, depending on model). Open the battery compartment on the back of the thermostat unit, remove old batteries, and insert new ones, observing polarity.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Display is blank.	No power to thermostat unit (dead batteries).	Replace batteries.
Thermostat not controlling heating/cooling.	Receiver unit not powered or not paired. Incorrect wiring.	Check power to receiver. Re-pair thermostat and receiver. Verify wiring connections.
Temperature readings seem inaccurate.	Thermostat placed in an unsuitable location (direct sunlight, draft).	Relocate thermostat to a more central and stable temperature area.
Scheduled program not running.	Thermostat is in manual mode. Program not saved correctly.	Switch to AUTO mode. Re-enter and save the program.

## 8. SPECIFICATIONS

Feature	Detail
Brand	Immergas
Model Number	7T.81.0.000.2301
Color	White
Item Weight	1 Kilogram
Voltage	230 Volts
Connectivity Technology	Wireless
Power Source	Electric Cable (for receiver), Battery (for thermostat unit)
Controller Type	Push Button
Temperature Control Type	Manual / Programmable





Feature	Detail
Specific Uses for Product	HVAC

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or contact Immergas customer service directly. Spare parts availability information is not provided at this time.  
*Note: Product specifications and features are subject to change without notice.*

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Related Documents - 7T.81.0.000.2301

	<p><a href="#">Immergas Modulating Room Thermostat Kit 3.015245 Installation and Operation Manual</a></p> <p>Detailed instructions for installing and operating the Immergas Modulating Room Thermostat Kit (Model 3.015245), including general warnings, installation guidelines, electrical connections, functions, and troubleshooting.</p>
	<p><a href="#">Návod k montáži a použití řídicí jednotky Immergas CARV2 (3.021395)</a></p> <p>Kompletní návod k montáži, instalaci a použití řídicí jednotky Immergas CARV2 (model 3.021395) pro ovládání plynových kotlů. Obsahuje technické údaje, popis funkcí, programování a řešení poruch.</p>
	<p><a href="#">Immergas INAIL Safety Kit with Circulator and Separator (440-770 kW) - Technical Specification</a></p> <p>Detailed technical specification and installation guide for the Immergas INAIL Safety Kit, including circulator and separator for boilers from 440-770 kW. Covers components, dimensions, and electrical connections.</p>
	<p><a href="#">Immergas VICTRIX EXA: Caldaia a Condensazione Efficiente e Affidabile</a></p> <p>Scopri la gamma Immergas VICTRIX EXA, caldaie murali a condensazione istantanee che offrono massima efficienza, risparmio energetico e compatibilità con ECOBONUS 65%. Ideali per riscaldamento e acqua calda sanitaria.</p>



[Immergas CAR V2 Modulating Remote Control User Manual](#)

User manual for the Immergas CAR V2 modulating remote control, detailing installation, operation, programming, and troubleshooting.



[Immergas 150 kW Safety Kit with Circulator and Separator \(Cod. 3.023645\) - Technical Specifications](#)

Detailed technical specifications and installation guidance for the Immergas 150 kW Safety Kit, including circulator, separator, and INAIL safety components. Learn about compatible appliances, electrical connections, and mounting dimensions.