

## IMIT DUO/503S

# Thermobrique IMIT DUO/503S Daily Embedded Chronothermostat

Model: DUO/503S | Brand: IMIT Control System

## INTRODUCTION

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This instruction manual provides essential information for the proper installation, operation, and maintenance of your Thermobrique IMIT DUO/503S Daily Embedded Chronothermostat. Please read this manual thoroughly before using the device to ensure safe and efficient performance. This chronothermostat is designed for flush-mount installation and offers straightforward hourly programming for heating and air conditioning systems.

## SAFETY INFORMATION

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- Always disconnect power before installation or maintenance to prevent electric shock.
- Installation should be performed by a qualified electrician or technician in accordance with local electrical codes.
- Do not expose the device to extreme temperatures, humidity, or direct sunlight.
- Use only the specified battery type (2 x 1.5V-LR6 AA batteries).
- Keep the device away from children.

## PACKAGE CONTENTS

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Verify that all items are present in the package:

- Thermobrique IMIT DUO/503S Chronothermostat
- 4 Interchangeable Frames (for aesthetic integration with various switch plates)
- Instruction Manual (this document)

## SETUP

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### 1. Installation

The DUO/503S chronothermostat is designed for DIN503 flush-mount installation. Ensure the mounting location is free from drafts and direct heat sources for accurate temperature readings. Follow standard electrical wiring procedures for connecting the device to your heating/air conditioning system. Refer to the wiring diagram provided with the product packaging for specific connections.

## 2. Battery Installation

The device is powered by two 1.5V-LR6 AA batteries. Open the battery compartment, insert the batteries observing the correct polarity (+/-), and close the compartment securely. Replace batteries when the low battery indicator appears on the display (if applicable) or when the device ceases to function.

## OPERATING INSTRUCTIONS

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### 1. Programming

The DUO/503S features hourly programming using mechanical jumpers. To set your desired schedule, adjust the mechanical jumpers corresponding to each hour of the day. Each jumper represents a 1-hour time slot. Position the jumpers to activate heating or cooling during specific hours. The device allows for 2 settable temperatures (e.g., comfort and economy) which are typically selected via a switch or dial on the unit, corresponding to the jumper settings.

### 2. Operating Modes

The chronothermostat supports the following operating modes:

- **Manual:** The device maintains a constant temperature set manually, overriding any programmed schedule.
- **Automatic:** The device follows the programmed hourly schedule set with the mechanical jumpers.
- **Anti-freeze:** This mode maintains a minimum temperature (e.g., 5°C) to prevent pipes from freezing, ideal for unoccupied periods.

Select the desired operating mode using the mode selector switch on the chronothermostat.

## MAINTENANCE

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The Thermobrique IMIT DUO/503S requires minimal maintenance. Periodically clean the exterior with a soft, dry cloth. Do not use abrasive cleaners or solvents. Replace batteries as needed to ensure continuous operation. No user-serviceable parts are inside the unit.

## TROUBLESHOOTING

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- **Device not powering on:** Check battery installation and ensure batteries are fresh. Verify main power supply to the heating/cooling system.
- **Incorrect temperature readings:** Ensure the chronothermostat is not exposed to direct sunlight, drafts, or heat sources.
- **Program not running:** Ensure the device is in 'Automatic' mode. Verify that the mechanical jumpers are correctly set for the desired schedule.
- **Heating/Cooling not activating:** Check the system's circuit breaker. Ensure wiring connections are secure.

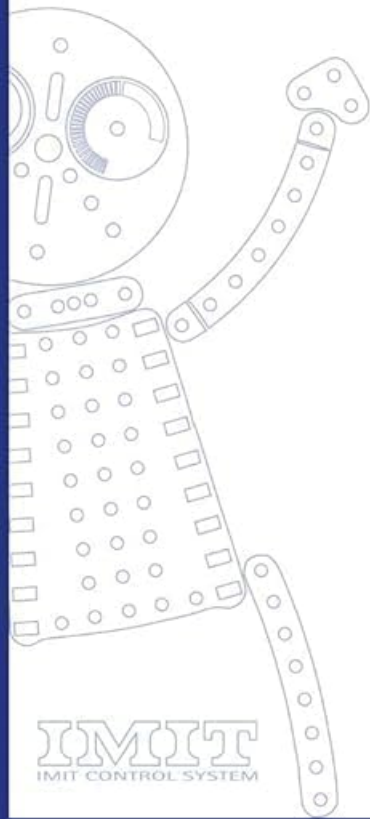
If issues persist after following these steps, contact qualified service personnel.

## SPECIFICATIONS

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Below are the technical specifications for the Thermobrique IMIT DUO/503S Chronothermostat:

# DUO/503S



Portata sui contatti = 8(5) A / 250 Vac  
Campo di regolazione = 5°÷35°C  
Alimentazione = n°2 batterie AA da 1,5V-LR6  
N° temperature impostabili = 2  
Fasce orarie = 1 h  
Precisione termometro = ±0,3°C  
T. max ambiente = 50°C  
Classe isolamento = II  
Grado di protezione = IP40  
Modalità di funzionamento: Manuale/Automatica/Antigelo  
Impianto: riscaldamento/condizionamento  
Omologazioni = CE

Electrical contact capacity = 8(5) A / 250 Vac  
Regulation range = 5°÷35°C  
Power supply = 2 x 1.5V-LR6 AA batteries  
N° of settable temperatures = 2  
Time slots = 1 h  
Thermometer precision = ±0,3°C  
Max. room temperature = 50°C  
Insulation class = II  
Protection rating = IP40  
Operating mode: Manual/Automatic/Anti-freeze  
System: heating/air conditioning  
Certifications = CE

Image: Technical specifications for the DUO/503S Chronothermostat, detailing its operational parameters and certifications.

| Feature                         | Specification                  |
|---------------------------------|--------------------------------|
| Electrical Contact Capacity     | 8(5) A / 250 Vac               |
| Regulation Range                | 5°C to 35°C                    |
| Power Supply                    | 2 x 1.5V-LR6 AA batteries      |
| Number of Settable Temperatures | 2                              |
| Time Slots                      | 1 hour                         |
| Thermometer Precision           | ±0.3°C                         |
| Maximum Room Temperature        | 50°C                           |
| Insulation Class                | II                             |
| Protection Rating               | IP40                           |
| Operating Modes                 | Manual, Automatic, Anti-freeze |
| System Compatibility            | Heating / Air Conditioning     |
| Certifications                  | CE                             |
| ASIN                            | B0D9BLPFML                     |
| Launch Date on Amazon.com.be    | July 12, 2024                  |

## WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the documentation included with your purchase or contact your retailer. Keep your proof of purchase for warranty claims. Information regarding spare parts availability is currently not available.