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Buderus WK 7300-00.500

Buderus WK 7300-00.500 Thermostatic Head User Manual

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Buderus WK 7300-00.500 Thermostatic Head. Please read these instructions carefully before installation and retain them for future reference. Correct use ensures optimal performance and longevity of the product.

2. PRODUCT OVERVIEW

The Buderus WK 7300-00.500 is an angled thermostatic head designed for precise temperature control in rooms equipped with radiators. It features a liquid-filled sensor for stable and accurate regulation of room temperature by controlling the flow of hot water through the radiator.

Key Features:

- **Angled Design:** Optimized for mounting on radiators with an M30 x 1.5 threaded connection.
- **Integrated Sensor:** Ensures accurate temperature detection and control.
- **Reversible Mounting:** Can be installed on either the left or right side of the radiator valve.
- **Liquid-Filled Thermostat:** Provides stable and responsive control behavior.
- **White Scale Cover:** Clear and easy-to-read temperature settings.



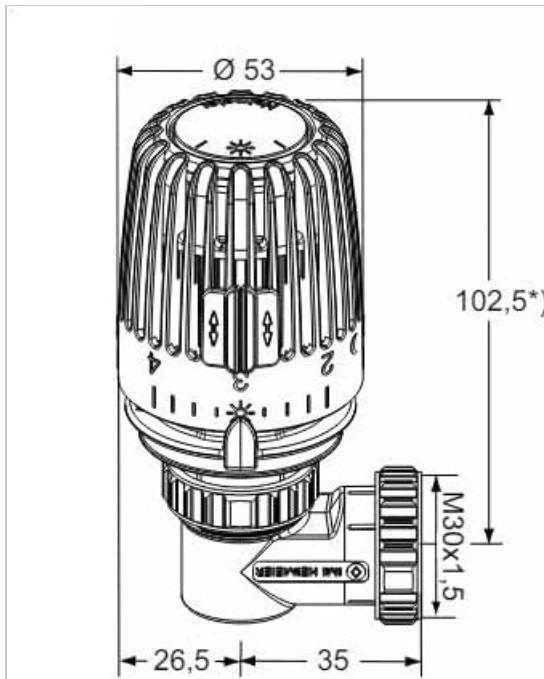
Front view of the Buderus WK 7300-00.500 Thermostatic Head, showing the numbered scale, temperature symbols, and the M30x1.5 connection.

3. SETUP AND INSTALLATION

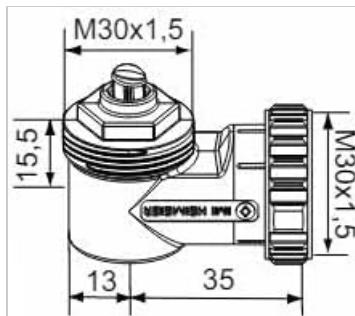
Safety First: Before beginning installation, ensure the heating system is depressurized and cooled down to prevent injury from hot water or steam. If you are unsure about any steps, consult a qualified heating technician.

Installation Steps:

- 1. Prepare the Radiator Valve:** Ensure the existing thermostatic valve body on your radiator has an M30 x 1.5 threaded connection.
- 2. Remove Old Head (if applicable):** If replacing an old thermostatic head, carefully unscrew it from the valve body.
- 3. Position the Thermostatic Head:** Place the Buderus WK 7300-00.500 onto the valve body. The head is reversible, allowing for left or right mounting to suit your radiator's orientation.
- 4. Secure the Head:** Hand-tighten the threaded ring of the thermostatic head onto the M30 x 1.5 connection of the valve body until it is firm. Do not overtighten.
- 5. Check for Stability:** Ensure the head is securely attached and does not wobble.



Technical drawing illustrating the overall dimensions of the thermostatic head, including height (102.5 mm) and diameter (53 mm).



Technical drawing detailing the dimensions of the M30x1.5 valve connection, including thread length and offset.

4. OPERATING INSTRUCTIONS

The Buderus WK 7300-00.500 Thermostatic Head allows you to set your desired room temperature by rotating the control knob. The scale is typically marked with numbers and symbols:

- **Snowflake Symbol (*):** Frost protection setting. This setting prevents the room temperature from dropping below approximately 6°C (43°F), protecting pipes from freezing.
- **Numbers (1-5):** These numbers correspond to approximate room temperatures. Each increment typically represents a change of about 4°C (7°F).
- **Setting 1:** Approximately 12°C (54°F)
- **Setting 2:** Approximately 16°C (61°F)
- **Setting 3:** Approximately 20°C (68°F) - *Recommended comfort setting*
- **Setting 4:** Approximately 24°C (75°F)
- **Setting 5:** Maximum heat, approximately 28°C (82°F)
- **Sun Symbol (*):** Often indicates a higher comfort setting, typically around 20-21°C (68-70°F), similar to setting 3.

To adjust the temperature, simply rotate the control knob until the desired number or symbol aligns with the indicator mark on the head.

5. MAINTENANCE

The Buderus WK 7300-00.500 Thermostatic Head requires minimal maintenance to ensure continued efficient operation.

- **Cleaning:** Wipe the exterior of the thermostatic head with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the surface.
- **Function Check:** Periodically check that the control knob turns smoothly and that the radiator heats up and cools down as expected when adjusting the setting.
- **Avoid Obstructions:** Ensure that curtains, furniture, or other objects do not obstruct the thermostatic head, as this can interfere with its ability to accurately sense room temperature.

6. TROUBLESHOOTING

If you experience issues with your thermostatic head, consider the following common problems and solutions:

- **Radiator Not Heating:**
 - Ensure the thermostatic head is set to a temperature higher than the current room temperature.
 - Check if the valve pin is stuck. Remove the thermostatic head and gently press the pin in the valve body. It should move freely. If stuck, it may need lubrication or professional attention.
 - Verify that the central heating system is operational and that other radiators are heating.
- **Radiator Always Hot (even on low setting):**
 - Ensure the thermostatic head is correctly installed and tightened.
 - The valve pin might be stuck in the open position. Try the method described above to free it.
 - The thermostatic head might be faulty and require replacement.
- **Inconsistent Room Temperature:**
 - Check for drafts or obstructions around the thermostatic head that could affect its temperature sensing.
 - Ensure the heating system is balanced.

If these steps do not resolve the issue, contact a qualified heating technician.

7. SPECIFICATIONS

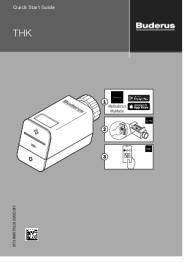
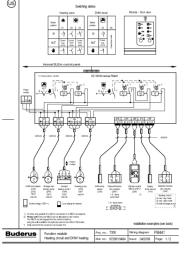
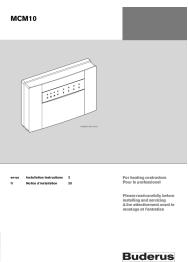
Specification	Detail
Manufacturer	Buderus
Item Code	80570357
Package Dimensions	11 x 8.8 x 7 cm
Manufacturer Reference	80570357
Batteries Included?	No
Batteries Required?	No

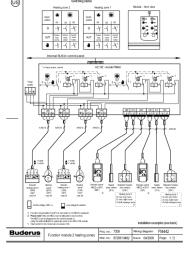
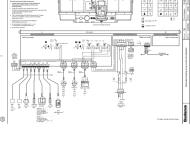
Specification	Detail
Item Weight	120 g
ASIN	B007TFIQ3M
Available on Amazon.it since	1 September 2012

8. WARRANTY AND SUPPORT

This Buderus product is covered by the manufacturer's standard warranty. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact Buderus customer support directly. If you require technical assistance or have questions not covered in this manual, please reach out to your retailer or a certified Buderus service partner.

Related Documents - WK 7300-00.500

	<p>Buderus THK Radiator Thermostat Quick Start Guide Concise guide to installing, setting up, and using the Buderus THK smart radiator thermostat. Includes setup instructions, app connection, technical specifications, and disposal information.</p>
	<p>Buderus FM441 Function Module Wiring Diagram and Technical Overview Detailed wiring diagram and technical information for the Buderus FM441 function module, covering heating circuits and domestic hot water (DHW) heating systems. Includes component connections and switching states.</p>
	<p>Buderus MCM10 Installation and Technical Specifications Comprehensive installation, technical specifications, and operating guide for the Buderus MCM10 heating control module. Includes wiring diagrams, troubleshooting, and system integration details for heating contractors.</p>

	<p>Buderus FM458 Strategy Module Service Instructions</p> <p>Comprehensive service instructions for the Buderus FM458 Strategy Module, detailing installation, operation, and troubleshooting for heating contractors working with Buderus heating systems and the Logamatic 4000 control system.</p>
	<p>Buderus FM442 Function Module Wiring Diagram for Two Heating Zones</p> <p>Detailed wiring diagram and technical information for the Buderus FM442 function module, designed for controlling two heating zones. Includes component connections, switching states, and installation notes.</p>
	<p>Buderus ZM433 Central Module Wiring and Installation Guide</p> <p>Detailed wiring diagram and installation notes for the Buderus ZM433 central module, CM431 controller module, and NM482 power module, including system examples for stand-alone heating and substations.</p>