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EDILKAMIN R1020160 Water Probe Instruction Manual

Model: C/SILKTY-LM2-130

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1. INTRODUCTION

This manual provides essential instructions for the proper installation, operation, and maintenance of your EDILKAMIN R1020160 Water Probe (Model C/SILKTY-LM2-130). Please read this manual thoroughly before using the product to ensure safe and efficient operation. Keep this manual for future reference.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the product:

- Installation should only be performed by qualified personnel.
- Ensure the power supply is disconnected before installation or maintenance.
- Do not expose the probe to temperatures or pressures exceeding its specified limits.
- Avoid bending or damaging the cable.
- Refer to the main appliance's manual for specific integration instructions.

3. PRODUCT OVERVIEW

The EDILKAMIN R1020160 is a water temperature probe designed for use with EDILKAMIN heating systems. It accurately measures water temperature, providing critical data for system control and optimization. The probe consists of a metallic sensing tip, a sealed cable, and a connector for integration into the control unit.



Figure 1: EDILKAMIN R1020160 Water Probe. This image shows the complete probe assembly, including the metallic sensing tip, the grey insulated cable, and the black electrical connector at the end of the cable. The cable is coiled for display.



Figure 2: EDILKAMIN R1020160 Water Probe. A closer view of the water probe, highlighting the metallic sensing element and the connection point to the grey cable. The black connector is visible on the left, with blue and white wires inside.

4. SETUP AND INSTALLATION

1. **Preparation:** Ensure the heating system is completely powered off and depressurized before beginning installation. Allow the system to cool down if it has been in operation.
2. **Location:** Identify the designated installation point for the water probe within your EDILKAMIN heating system. This is typically a specific port or fitting designed for temperature sensors. Refer to your main appliance's manual for the exact location.
3. **Mounting:** Carefully insert the metallic sensing tip of the probe into the designated port. Ensure a secure fit. Depending on the system, a sealing washer or thread sealant may be required (not included with the probe). Do not overtighten.
4. **Electrical Connection:** Connect the probe's electrical connector to the corresponding port on the EDILKAMIN control unit or wiring harness. Ensure the connection is firm and correctly oriented. The blue and white wires inside

the connector should align with the corresponding terminals.

5. **Cable Routing:** Route the probe cable away from hot surfaces, moving parts, and sharp edges to prevent damage. Secure the cable using appropriate clips or ties if necessary.
6. **System Re-pressurization and Power-up:** Once the probe is securely installed and connected, re-pressurize the heating system (if applicable) and restore power.
7. **Verification:** Check the control unit display or system diagnostics to confirm that the water probe is recognized and reporting temperature readings correctly.

5. OPERATION

The EDILKAMIN R1020160 Water Probe operates passively by continuously measuring the water temperature within the heating system. It transmits this data to the main control unit. The control unit then uses this information to regulate the heating process, maintain desired temperatures, and ensure efficient system performance.

No direct user interaction is required with the probe itself during normal operation. Its function is integrated into the overall heating system's automatic control. Monitor your main EDILKAMIN appliance's display for temperature readings and system status.

6. MAINTENANCE

The EDILKAMIN R1020160 Water Probe is designed for minimal maintenance. However, periodic checks are recommended to ensure optimal performance:

- **Visual Inspection:** Annually, or during routine system maintenance, visually inspect the probe and its cable for any signs of physical damage, corrosion, or wear.
- **Connection Check:** Ensure the electrical connection remains secure and free from moisture or debris.
- **Cleaning:** If accessible and necessary, gently clean the metallic sensing tip with a soft cloth to remove any scale or deposits that might affect accuracy. Ensure the system is powered off and cooled before cleaning. Do not use abrasive cleaners or solvents.
- **Professional Inspection:** For any concerns regarding probe accuracy or system performance, consult a qualified EDILKAMIN service technician.

7. TROUBLESHOOTING

If you experience issues with temperature readings or system control that you suspect are related to the water probe, consider the following:

Problem	Possible Cause	Solution
Incorrect temperature readings	Loose electrical connection, probe tip fouled with scale, faulty probe.	Check electrical connection. Clean probe tip (if accessible and safe). If problem persists, probe may need replacement.
No temperature reading / System error code	Disconnected cable, damaged cable, faulty probe, control unit issue.	Verify cable connection. Inspect cable for damage. Consult main appliance manual for error code interpretation. If necessary, contact service.
System not regulating temperature correctly	Inaccurate probe reading, control unit malfunction, other system component failure.	Verify probe readings against a known accurate thermometer (if possible and safe). Consult main appliance manual. Contact qualified service personnel.

Important: For complex issues or if you are unsure, always contact a qualified EDILKAMIN service technician. Do not attempt repairs beyond your technical capabilities.

8. SPECIFICATIONS

Feature	Detail
Brand	EDILKAMIN
Model Number	R1020160 (C/SILKTY-LM2-130)
ASIN	B07MDXKC6Q
Batteries Required	No
Batteries Included	No
First Available Date	January 2, 2019

Note: Specific technical parameters such as temperature range, resistance values, or cable length are typically detailed in the main appliance's technical documentation or on the probe's packaging. This manual provides general product information.

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your complete EDILKAMIN heating system or contact your authorized EDILKAMIN dealer. The warranty period and terms may vary depending on your region and the specific product.

For technical support, spare parts, or service, please contact your local EDILKAMIN service center or the retailer from whom you purchased the product. Provide the model number (R1020160) and any relevant system information when seeking assistance.

EDILKAMIN Official Website: www.edilkamin.com

