

710976600

Instruction Manual: Generic Reed Flow Sensor

Model: 710976600

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the Generic Reed Flow Sensor, Model 710976600. This sensor is designed for use with specific Baxi and Westen boiler models, including Baxi Duotec Compact, Eco Series, Fourtech, Luna Series, and Westen Pulsar, Star Condens. Please read this manual thoroughly before attempting any installation or service.

2. SAFETY INFORMATION

- **Electrical Hazard:** Always disconnect power to the boiler system before installation, maintenance, or troubleshooting. Failure to do so can result in electric shock or serious injury.
- **Hot Water Hazard:** Boiler systems contain hot water and steam. Allow the system to cool down and drain water as necessary before working on it to prevent burns.
- **Professional Installation Recommended:** Installation and servicing of boiler components should only be performed by qualified and certified technicians. Improper installation can lead to system malfunction, property damage, or personal injury.
- **Use Correct Parts:** Ensure this sensor is the correct replacement part for your specific boiler model. Refer to your boiler's service manual for compatibility.

3. PACKAGE CONTENTS

- 1 x Generic Reed Flow Sensor (Model 710976600)
- *Note: No additional components are included with this product.*

4. PRODUCT OVERVIEW

The Reed Flow Sensor is a critical component in modern boiler systems, responsible for detecting the presence and flow rate of water. This information is used by the boiler's control unit to regulate heating and ensure safe operation. A malfunctioning flow sensor can lead to issues such as inconsistent hot water supply or boiler lockout.

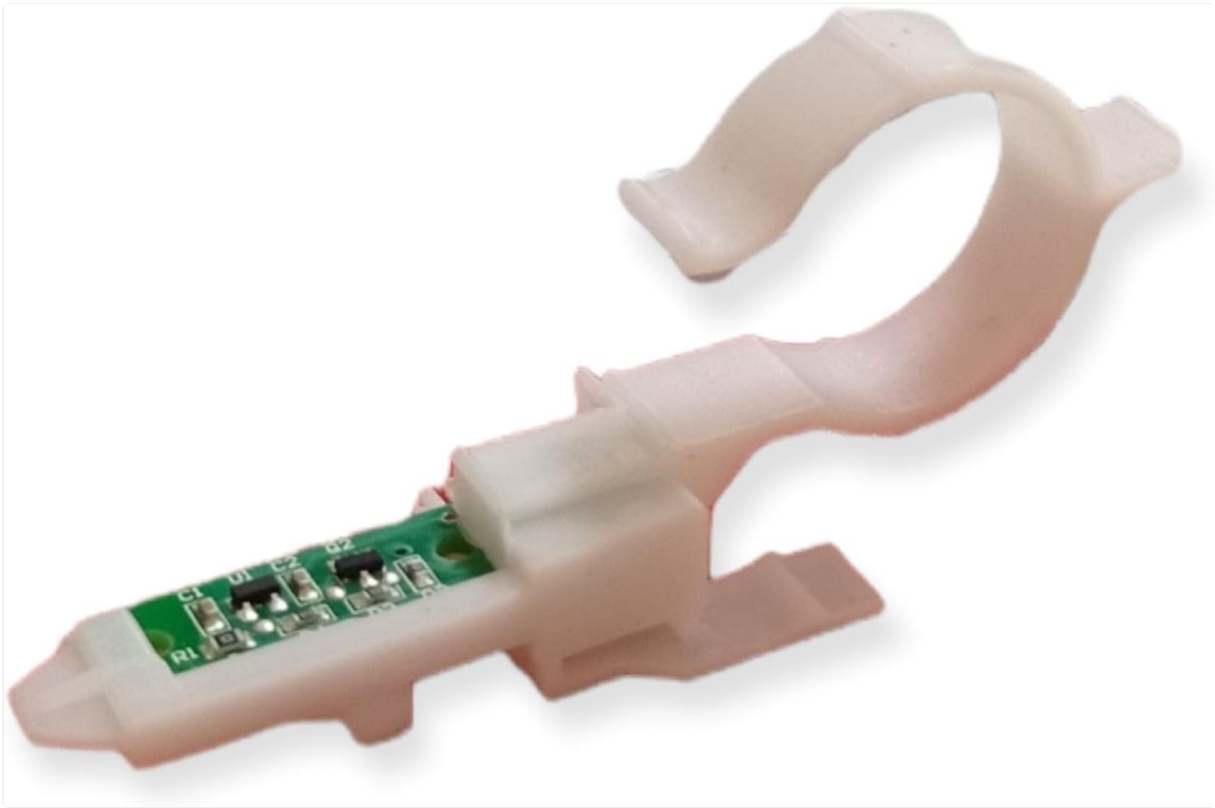


Figure 1: Generic Reed Flow Sensor, Model 710976600. This image displays the Generic Reed Flow Sensor, model 710976600. It features a white plastic housing with an integrated green circuit board containing electronic components. The sensor is designed to detect water flow in compatible boiler systems.

5. SETUP AND INSTALLATION

Warning: Installation should only be performed by a qualified technician.

1. **Power Disconnection:** Turn off the main electrical supply to the boiler system at the circuit breaker. Verify that power is off using a voltage tester.
2. **System Isolation:** Close the isolation valves for both the heating and domestic hot water circuits to prevent water flow.
3. **Drain System:** Partially drain the boiler system to a level below the flow sensor's location.
4. **Locate and Remove Old Sensor:** Identify the existing flow sensor. Carefully disconnect any electrical connectors and unclip or unscrew the sensor from its housing. Be prepared for residual water.
5. **Install New Sensor:** Insert the new Generic Reed Flow Sensor (Model 710976600) into the designated housing. Ensure it is securely seated and properly oriented according to the boiler manufacturer's instructions.
6. **Connect Electrical:** Reconnect the electrical wiring to the new sensor. Ensure connections are secure and correct.
7. **Refill System:** Open the isolation valves and refill the boiler system, bleeding air from radiators and the boiler as necessary. Check for leaks around the newly installed sensor.
8. **Restore Power and Test:** Restore electrical power to the boiler. Initiate a hot water demand or heating cycle to test the functionality of the new flow sensor. Observe boiler operation and check for any error codes.

6. OPERATION

The Reed Flow Sensor operates by detecting the movement of water within the boiler system. When water

flows past the sensor, it generates a signal that is sent to the boiler's electronic control unit. This signal informs the boiler that there is a demand for hot water or heating, prompting the boiler to ignite and begin the heating process. The sensor ensures that the boiler only fires when there is actual water flow, preventing dry firing and ensuring efficient operation.

7. MAINTENANCE

The Reed Flow Sensor itself typically requires no direct user maintenance. However, its proper function relies on the overall health of the boiler system. Regular boiler servicing by a qualified technician is recommended to ensure all components, including the flow sensor, are operating correctly. This includes:

- Checking for sediment or debris in the system that could obstruct the sensor.
- Verifying electrical connections are secure and free from corrosion.
- Ensuring proper water pressure and flow throughout the system.

8. TROUBLESHOOTING

If your boiler is experiencing issues related to water flow, the Reed Flow Sensor may be a contributing factor. Common symptoms of a faulty flow sensor include:

- **No Hot Water:** The boiler may not ignite when a hot water tap is opened, even if the heating works.
- **Intermittent Hot Water:** Hot water supply is inconsistent, or the boiler cycles on and off frequently.
- **Boiler Error Codes:** Your boiler display may show specific error codes related to flow detection. Consult your boiler's manual for code interpretation.
- **Heating Works, but No Hot Water:** This often indicates an issue with the domestic hot water flow detection.

Troubleshooting Steps (for qualified technicians only):

1. Verify proper water pressure in the system.
2. Check for blockages or airlocks in the pipework leading to and from the sensor.
3. Inspect the sensor's electrical connections for looseness or corrosion.
4. Test the sensor's continuity or signal output using appropriate diagnostic tools (refer to boiler service manual for expected values).

If these steps do not resolve the issue, or if you are unsure, contact a qualified heating engineer for diagnosis and repair.

9. SPECIFICATIONS

Feature	Detail
Product Dimensions	7 x 5 x 6 inches
Item Model Number	710976600
ASIN	B0BFX1T45K
Date First Available	September 20, 2022
Included Components	None (sensor only)

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the original purchase documentation or contact the seller directly. As this is a generic replacement part, warranty terms may vary. Always ensure you are purchasing from a reputable supplier.