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Samsung Genuine Fridge Freezer Thermostat Temperature Sensor User Manual

Model: DOES NOT APPLY

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Samsung Genuine Fridge Freezer Thermostat Temperature Sensor. Please read this manual thoroughly before attempting any installation or repair to ensure safe and effective use.

PRODUCT OVERVIEW

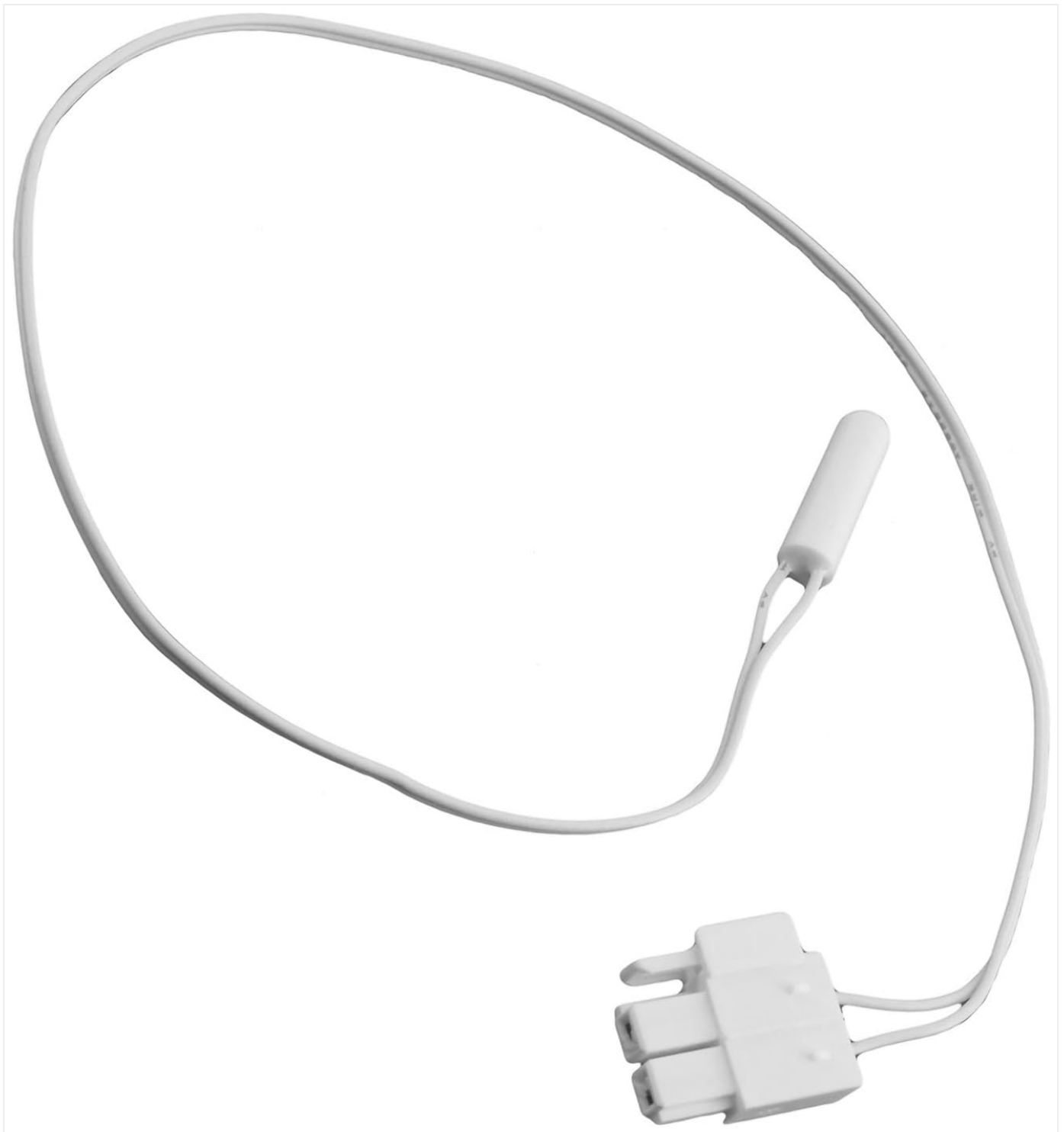


Image: A white Samsung Genuine Fridge Freezer Thermostat Temperature Sensor, consisting of a long white wire, a cylindrical sensor tip, and a white two-pronged connector at the end. The wire forms a large loop, showcasing the full length of the component.

The Samsung Genuine Fridge Freezer Thermostat Temperature Sensor is a critical component designed to accurately measure and regulate the temperature within your Samsung refrigerator or freezer. This sensor ensures optimal cooling performance and energy efficiency by communicating temperature data to the appliance's control system. It is a direct replacement part for various Samsung models.

SAFETY INFORMATION

Always prioritize safety when working with electrical appliances. Failure to follow these safety guidelines may result in electric shock, fire, or personal injury.

- **Disconnect Power:** Always unplug the refrigerator/freezer from the power outlet before attempting any installation,

repair, or maintenance.

- **Qualified Personnel:** Installation and repair should ideally be performed by a qualified technician. If you are not confident in your abilities, seek professional assistance.
- **Genuine Parts:** Use only genuine Samsung replacement parts to ensure compatibility and proper functioning.
- **Handle with Care:** The sensor and wiring are delicate. Handle them carefully to avoid damage.
- **Static Electricity:** Discharge any static electricity from your body before handling electronic components by touching a grounded metal object.

SETUP AND INSTALLATION

This section outlines the general steps for replacing the thermostat temperature sensor. Specific steps may vary depending on your refrigerator/freezer model. Refer to your appliance's specific service manual for detailed instructions.

1. Preparation:

- Unplug the refrigerator/freezer from the wall outlet.
- Empty the refrigerator/freezer of all food items and shelves to gain access to the sensor location.
- Locate the existing temperature sensor. Its location varies by model but is often found near the evaporator coils or within the fresh food/freezer compartment.

2. Removal of Old Sensor:

- Carefully disconnect the electrical connector of the old sensor.
- Unclip or unmount the sensor from its housing or mounting bracket.
- Gently pull the sensor wire through any grommets or channels.

3. Installation of New Sensor:

- Thread the wire of the new sensor through the same channels and grommets as the old one.
- Mount the new sensor securely in the designated location. Ensure it is positioned correctly to accurately read the internal temperature.
- Connect the electrical connector of the new sensor firmly. Ensure a secure connection.

4. Reassembly and Testing:

- Replace any removed shelves or components.
- Plug the refrigerator/freezer back into the power outlet.
- Allow several hours for the appliance to reach its set temperature and verify proper operation.

Note: If you encounter resistance or difficulty during any step, do not force components. Consult a professional technician or your appliance's specific service manual.

OPERATING INSTRUCTIONS

The Samsung Genuine Fridge Freezer Thermostat Temperature Sensor operates automatically once installed. Its primary function is to continuously monitor the internal temperature of your refrigerator or freezer and send this data to the appliance's control board.

- **Automatic Regulation:** The sensor works in conjunction with the control board to activate or deactivate the compressor and fan as needed, maintaining the desired temperature settings.
- **No User Interaction:** This component does not require direct user interaction for its operation. Its function is entirely internal and automatic.
- **Temperature Display:** The temperature displayed on your appliance's control panel is a reading influenced by this

sensor.

MAINTENANCE

The thermostat temperature sensor itself requires minimal maintenance. However, ensuring the surrounding environment is clean can help prolong its lifespan and ensure accurate readings.

- **Keep Area Clean:** Periodically clean the interior of your refrigerator/freezer, especially around the sensor's location, to prevent dust or debris buildup that could obstruct its function.
- **Avoid Physical Damage:** Be careful when loading or unloading items in the appliance to avoid accidentally hitting or damaging the sensor or its wiring.
- **Regular Appliance Cleaning:** Follow your refrigerator/freezer's general cleaning guidelines to maintain overall appliance health.

TROUBLESHOOTING

If your refrigerator or freezer is experiencing temperature-related issues, the temperature sensor might be a contributing factor. Here are some common symptoms and potential solutions.

Symptom	Possible Cause	Solution
Refrigerator/Freezer too warm or too cold	Faulty temperature sensor, blocked airflow, door seal issues.	Check if the sensor is properly connected. Ensure vents are not blocked by food items. Inspect door seals for damage or gaps. If issues persist, the sensor may need replacement.
Appliance constantly running or not running at all	Sensor providing incorrect readings, control board issue.	Verify sensor connection. Consider professional diagnosis to determine if the sensor or control board is at fault.
Error code related to temperature sensor	Sensor malfunction or wiring issue.	Refer to your appliance's user manual for specific error code meanings. Check sensor wiring for visible damage. Replacement of the sensor may be necessary.

Disclaimer: Troubleshooting steps are general guidelines. Always consult a qualified technician for complex issues or if you are unsure about performing a repair.

SPECIFICATIONS

Attribute	Detail
Brand	SAMSUNG
Model Number	DOES NOT APPLY

Attribute	Detail
Package Dimensions	22.6 x 13.8 x 1.4 cm
Item Weight	99.79 g
Manufacturer	Samsung
ASIN	B018XMYYL2
Date First Available	8 Nov. 2016

WARRANTY AND SUPPORT

For information regarding warranty coverage for your Samsung Genuine Fridge Freezer Thermostat Temperature Sensor, please refer to the warranty documentation provided with your original Samsung appliance or contact Samsung customer support directly.

Samsung Customer Support:

- Visit the official Samsung website for your region.
- Navigate to the "Support" or "Contact Us" section.
- Provide your appliance model number and the part's ASIN (B018XMYYL2) for faster assistance.

Note: Warranty terms and support availability may vary by region and product. Keep your purchase receipt as proof of purchase.

