

S+S Regeltechnik 1101-6161-0219-920

S+S Regeltechnik THERMASGARD HFTM-SD-U Cable Temperature Sensor
User Manual

Model: 1101-6161-0219-920

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of the S+S Regeltechnik THERMASGARD HFTM-SD-U Cable Temperature Sensor. Please read this manual thoroughly before using the device and keep it for future reference. The THERMASGARD HFTM-SD-U is designed for precise temperature measurement in various applications, utilizing a cable-based sensing element.

2. SAFETY INSTRUCTIONS

To ensure safe operation and prevent damage to the device or injury to personnel, observe the following safety instructions:

- Installation and electrical connection must only be performed by qualified personnel in accordance with local electrical codes and regulations.
- Disconnect power to the circuit before performing any installation, wiring, or maintenance work.
- Ensure that the supply voltage matches the specifications of the device.
- Do not expose the sensor to extreme mechanical stress, corrosive substances, or temperatures outside its specified operating range.
- Protect the cable from damage during installation and operation.

3. PRODUCT OVERVIEW

3.1 Components

The THERMASGARD HFTM-SD-U is a cable temperature sensor consisting of a sensing element integrated into a protective cable. It is designed for flexible and accurate temperature detection.

Figure 1: THERMASGARD HFTM-SD-U Cable Temperature Sensor. (An image of the sensor showing its cable and sensing element would be placed here, illustrating the product's physical form.)

3.2 Key Features

- Reliable temperature measurement.

- Flexible cable design for various installation scenarios.
- Robust construction for industrial environments.

4. INSTALLATION AND SETUP

4.1 Mounting

Select a mounting location that accurately represents the temperature to be measured and is free from excessive vibration or direct heat sources that could skew readings. Secure the sensor cable appropriately, ensuring it is not kinked or subjected to sharp bends. Avoid placing the sensor near strong electromagnetic fields.

4.2 Electrical Connection

Before making any electrical connections, ensure that the power supply is disconnected. Connect the sensor according to the wiring diagram provided with the product or on the device itself. Pay close attention to polarity if applicable. Use appropriate cable glands and ensure proper strain relief for the cable to maintain environmental protection and prevent damage.

5. OPERATION

The THERMASGARD HFTM-SD-U is a passive temperature sensor. Once correctly installed and connected to a compatible evaluation unit (e.g., a controller or display), it will continuously provide temperature readings. There are no user-adjustable settings or controls on the sensor itself. The temperature value is typically read out and processed by the connected system.

6. MAINTENANCE

The THERMASGARD HFTM-SD-U sensor requires minimal maintenance. Regular inspection is recommended to ensure optimal performance:

- **Cleaning:** Periodically clean the sensor surface and cable with a soft, damp cloth to remove dust or debris. Do not use abrasive cleaners or solvents.
- **Inspection:** Check the sensor cable and connections for any signs of wear, damage, or corrosion. Ensure all connections are secure.
- **Calibration:** While the sensor is factory calibrated, periodic recalibration may be required depending on application demands and regulatory requirements. Refer to your system's calibration procedures or contact S+S Regeltechnik for service.

7. TROUBLESHOOTING

If you encounter issues with your THERMASGARD HFTM-SD-U sensor, refer to the following table for common problems and solutions:

Problem	Possible Cause	Solution
No temperature reading	Incorrect wiring or loose connection	Check all electrical connections and ensure they match the wiring diagram. Verify power supply.
Inaccurate temperature reading	Sensor placed in an unsuitable location; external heat source; sensor damage	Relocate sensor if necessary. Eliminate external heat sources. Inspect sensor for physical damage. Consider recalibration.

Problem	Possible Cause	Solution
Intermittent readings	Loose connections; cable damage; electrical interference	Secure all connections. Inspect cable for damage. Shield cable if necessary to reduce interference.

If the problem persists after attempting these solutions, contact S+S Regeltechnik technical support.

8. TECHNICAL SPECIFICATIONS

The following specifications apply to the S+S Regeltechnik THERMASGARD HFTM-SD-U Cable Temperature Sensor, Model 1101-6161-0219-920:

Feature	Value
Part Number	1101-6161-0219-920
Product Dimensions	12 x 12 x 12 cm
Weight	140 g
Model Number	1101-6161-0219-920
Items in Package	1
Batteries Required	No
ASIN	B07CKX65HD
First Available Date	April 3, 2024

9. WARRANTY AND SUPPORT

S+S Regeltechnik provides a standard manufacturer's warranty for this product, covering defects in materials and workmanship under normal use. The specific terms and duration of the warranty are available upon request or can be found on the official S+S Regeltechnik website.

For technical support, warranty claims, or further assistance, please contact S+S Regeltechnik customer service through their official channels. Please have your model number (1101-6161-0219-920) and purchase information ready when contacting support.

Note: Information regarding guaranteed software updates is currently unknown.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

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