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› DIGITEN /

› DIGITEN DHTC-1011 Digital Waterproof Temperature and Humidity Sensor Probe User Manual

DIGITEN DHTC-1011 Sensor Probe

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Model: DHTC-1011 Sensor Probe

PRODUCT OVERVIEW

This document provides instructions for the DIGITEN Digital Waterproof Temperature and Humidity Sensor Probe, designed exclusively for use with the DIGITEN DHTC-1011 Temperature and Humidity Controller.

The sensor probe measures both temperature and humidity, providing essential data to your DHTC-1011 controller for accurate environmental monitoring and control. Its waterproof design allows for use in various environments where moisture is present.



Image: The DIGITEN DHTC-1011 Digital Waterproof Temperature and Humidity Sensor Probe, showing the main sensor unit with its protective casing and connected wires.

COMPATIBILITY

Important: This sensor probe is specifically designed and compatible **only** with the DIGITEN DHTC-1011 Temperature and Humidity Controller. It is not intended for use with other models or brands of controllers.

SETUP AND INSTALLATION

1. **Unpack the Sensor:** Carefully remove the sensor probe from its packaging. Inspect for any visible damage.
2. **Locate the Sensor Port:** Identify the dedicated sensor input port on your DIGITEN DHTC-1011 Temperature and Humidity Controller. This port is typically labeled for the temperature and humidity sensor.
3. **Connect the Sensor:** Insert the 3.5mm jack connector of the sensor probe firmly into the corresponding port on the DHTC-1011 controller. Ensure a secure connection.



Image: Close-up of the 3.5mm jack connector on the sensor probe cable, ready for connection to the controller.

4. **Position the Probe:** Place the waterproof sensor probe in the environment where temperature and humidity measurements are required. Ensure the probe is not obstructed and has adequate airflow for accurate readings.
5. **Power On:** Once connected and positioned, power on your DHTC-1011 controller. The controller should automatically detect the sensor and begin displaying readings.

OPERATING INSTRUCTIONS

After successful installation, the sensor probe continuously transmits temperature and humidity data to your DIGITEN DHTC-1011 controller. Refer to your DHTC-1011 controller's user manual for specific instructions on:

- Viewing current temperature and humidity readings.
- Setting desired temperature and humidity control ranges.
- Calibrating the sensor (if supported by the controller).
- Understanding alarm functions related to sensor readings.

The sensor itself does not have user-adjustable settings; all controls are managed through the connected DHTC-1011 controller.

MAINTENANCE

- **Cleaning:** Periodically clean the sensor probe with a soft, damp cloth to remove dust or debris that may accumulate on its surface. Avoid using harsh chemicals or abrasive materials.
- **Cable Inspection:** Regularly inspect the sensor cable for any signs of damage, kinks, or exposed wires. Damaged cables can lead to inaccurate readings or sensor malfunction. If damage is found, replace the sensor probe.
- **Waterproof Integrity:** While the probe is waterproof, ensure the connection point to the controller remains dry unless the controller itself is rated for wet environments.
- **Storage:** If storing the sensor, ensure it is clean and dry, and store it in a safe place to prevent physical damage to the probe or cable.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No readings or incorrect readings on controller.	<ul style="list-style-type: none">• Loose or improper connection.• Damaged sensor cable or probe.• Sensor not compatible with controller.• Controller malfunction.	<ul style="list-style-type: none">• Ensure the 3.5mm jack is fully inserted into the DHTC-1011 controller.• Inspect the cable for kinks, cuts, or exposed wires. If damaged, replace the sensor probe.• Confirm you are using the sensor with a DIGITEN DHTC-1011 controller.• Test the controller with a known working sensor, if available.
Humidity reading does not change or is stuck.	<ul style="list-style-type: none">• Sensor malfunction.• Environmental conditions are stable.	<ul style="list-style-type: none">• Move the sensor to an environment with known humidity changes to verify functionality.• If the issue persists, the sensor may be faulty and require replacement.
Temperature reading is inaccurate (e.g., consistently high or low).	<ul style="list-style-type: none">• Sensor placement.• Sensor malfunction.• Controller calibration needed.	<ul style="list-style-type: none">• Ensure the sensor is not exposed to direct heat sources, cold drafts, or direct sunlight.• Compare readings with a reliable thermometer in the same location.• Refer to your DHTC-1011 controller manual for calibration procedures, if applicable.• If the discrepancy is significant and persistent, the sensor may be faulty.

SPECIFICATIONS

- **Compatibility:** Exclusively for DIGITEN DHTC-1011 Temperature and Humidity Controller
- **Temperature Control Range:** -40°C to 120°C / -40°F to 248°F
- **Humidity Control Range:** 1-100% RH
- **Temperature Accuracy:** $\pm 0.3^{\circ}\text{C}$ / $\pm 0.3^{\circ}\text{F}$

- **Humidity Accuracy:** $\pm 2\%$ RH
- **Sensor Lead Length:** 2 meters (6 feet)
- **Waterproof:** Yes
- **Mounting Type:** Tabletop (referring to the controller, the probe itself is typically placed)
- **Battery Requirement:** No batteries required (powered by controller)

WARRANTY INFORMATION

DIGITEN provides a one-year warranty term for any quality problems with this product. Please retain your proof of purchase for warranty claims. For further details or to initiate a warranty claim, please contact DIGITEN customer support.

CUSTOMER SUPPORT

If you encounter any issues or have questions regarding the DIGITEN Digital Waterproof Temperature and Humidity Sensor Probe, please contact DIGITEN customer support through the retailer's platform or visit the official DIGITEN website for assistance.

For more information about DIGITEN products, visit the DIGITEN Store on Amazon.