APC AP9335TH

APC AP9335TH Rackmount Temperature & Humidity Sensor User Manual

Model: AP9335TH

1. Product Overview

The APC AP9335TH is a universal sensor designed to monitor both temperature and humidity within your data center or network closet environment. This device provides critical environmental data to help maintain optimal operating conditions for your IT equipment.

Figure 1: APC AP9335TH Temperature & Humidity Sensor unit.

Key Features:

- Monitors both temperature and humidity.
- Designed for rackmount environments (data centers, network closets).
- Integrates with compatible APC management systems.

2. Installation and Setup

Follow these steps to properly install and set up your AP9335TH sensor.

2.1 Physical Installation

1. **Identify Mounting Location:** Choose a suitable location within your rack or network closet where accurate temperature and humidity readings are desired. Ensure the sensor is not obstructed and has adequate airflow.
2. **Mount the Sensor:** Secure the sensor unit to a rack post or other stable surface using appropriate mounting hardware (not included unless specified).
3. **Connect the Probe:** Attach the temperature and humidity probe to the sensor unit. Ensure a firm connection.

4. **Position the Probe:** Route the probe cable to the desired monitoring area. The probe should be positioned to accurately reflect the environmental conditions of the equipment being monitored.

Figure 2: Example of sensor cable routing within a rackmount environment.

Figure 3: Close-up of the sensor probe and connection cable.

2.2 Network Connection

1. **Connect to Monitoring Device:** Plug the sensor's communication cable into a compatible APC network management card (e.g., in a Smart-UPS) or other environmental monitoring device. Refer to your monitoring device's manual for specific port requirements.
2. **Power On:** Ensure the monitoring device or rack system providing power to the sensor is turned on. The sensor typically draws power from the connected device.
3. **Configuration:** Access the web interface or management software of your APC monitoring device. The sensor should be automatically detected. Configure any necessary settings, such as sensor name, logging intervals, and alert thresholds for temperature and humidity.

3. Operation

Once installed and configured, the AP9335TH sensor will continuously monitor environmental conditions.

3.1 Monitoring Data

- **Access Readings:** Current temperature and humidity readings can be viewed through the web interface or dedicated software of your connected APC network management card or monitoring system.
- **Data Logging:** The monitoring system will typically log historical data, allowing you to track trends and identify potential issues over time.

3.2 Alert Configuration

Set up alerts to be notified of critical environmental changes:

- **Thresholds:** Define acceptable ranges for temperature and humidity.
- **Notification Methods:** Configure how you wish to receive alerts (e.g., email, SMS, SNMP traps).
- **Severity Levels:** Assign different alert severities (e.g., warning, critical) based on the deviation from set thresholds.

4. Maintenance

Regular maintenance ensures the longevity and accuracy of your sensor.

- **Cleaning:** Periodically clean the sensor probe and unit with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials. Ensure no dust or debris accumulates on the sensing elements.
- **Inspection:** Regularly inspect the sensor and its cables for any signs of damage or wear. Ensure all connections are secure.
- **Firmware Updates:** Check the APC support website for any available firmware updates for your monitoring device, which may include updates for connected sensors.
- **Battery (if applicable):** If your specific sensor variant requires product-specific batteries for internal functions (e.g., real-time clock), ensure they are replaced according to manufacturer guidelines.

5. Troubleshooting

If you encounter issues with your AP9335TH sensor, refer to the following common troubleshooting steps:

- **No Readings:**
  - Verify the sensor cable is securely connected to both the sensor unit and the monitoring device.
  - Ensure the monitoring device is powered on and functioning correctly.
  - Check the monitoring device's interface for sensor detection status.
- **Inaccurate Readings:**
  - Ensure the sensor probe is positioned in an area representative of the environment you wish to monitor, away from direct heat sources or cooling vents.
  - Clean the sensor probe to remove any dust or obstructions.
  - Compare readings with a known calibrated device to confirm accuracy.
- **Intermittent Connectivity:**
  - Check for any physical damage to the sensor cable.
  - Ensure the cable is not routed near sources of strong electromagnetic interference.

For further assistance, consult the full documentation for your APC network management card or contact APC technical support.

6. Technical Specifications

Specification	Value
Product Type	System Power Device (Sensor)

Model Number	AP9335TH
Product Dimensions	0.2 x 0.2 x 0.24 inches
Item Weight	6.3 ounces
Manufacturer	APC
Country of Origin	Italy

7. Warranty and Support

For information regarding the product warranty, please refer to the warranty documentation included with your APC product or visit the official APC website. Technical support and additional resources can be found on the APC support portal.

Online Resources:

- Visit the APC Store on Amazon for product information.
- Consult the main APC website for support and documentation.