

AVTECH's Digital Temperature & Humidity Sensor monitors ambient indoor temperature and humidity. The 2" L x 3/8" diameter probe is small and light enough to install almost anywhere with no special tools.

With an operating range of -40° to 185° F (-40° to 85° C) and 5% to 95% relative humidity (RH), this "Plug and Play" sensor provides values accurate to +/- 0.125 degrees and +/- 3.5% RH to your Room Alert. Your Room Alert uses these readings to calculate heat index so you'll always know what the "feels like" temperature is.



Digital Temperature & Humidity Sensor Package Contents

- One (1) Digital Temperature & Humidity Sensor with built-in RJ-11 cable

This sensor is available in 25', 50' and 100' lengths:

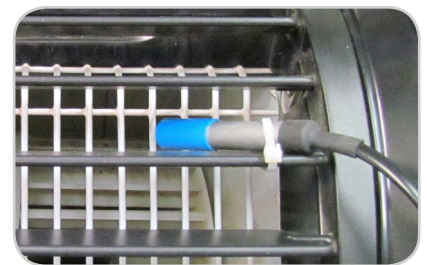
Length	Digital Temperature & Humidity Sensor
25'	RMA-DTH-SEN
50'	RMA-DTH50-SEN
100'	RMA-DTH100-SEN

Install Your Digital Temperature & Humidity Sensor



Do not use this sensor in hazardous (classified) locations or life safety applications.

1. Locate the probe (the end with the blue cap) where you wish to measure temperature and humidity. Shown here is a Digital Temperature & Humidity Sensor placed on the grill of an air conditioner to monitor cool air output.
2. If necessary to hold the probe in place, mount it with a cable clip, Velcro or nylon tie.
3. Run the built-in 25' cable back to your Room Alert or Wireless Sensor Hub. Try to avoid running it near large electromagnetic devices or fluorescent lights, which produce EMI that can interfere with the sensor's readings.
4. Connect the sensor to a digital sensor port on your Room Alert or Wireless Sensor Hub.



Sensor Features & Specifications

Environment Condition Monitored	Temperature & humidity
Type Of Sensor	Digital
Power Supply	Powered by Room Alert
Sensor Cable Type	RJ-11 (standard straight-through telephone cord)
Included	Yes (built-in)
Length	25' (50' and 100' also available)
Maximum Extendible Length	100' total
Temperature Range	-40 to 185 F (-40 to 85 C)
Accuracy	+/- 0.125
Humidity Range	5% to 95% relative humidity (RH) non-condensing
Accuracy	+/- 3.5%
Compatible Products	Any Room Alert (except Room Alert 7E) or Wireless Sensor Hub

Configure Your Digital Temperature & Humidity Sensor

Use Room Alert's Built-In Web Interface

Navigate to **Settings** → **Sensors** in the web interface of your Room Alert. The options you see below will vary depending on the model.

The screenshot displays the Room Alert web interface. The sidebar on the left contains navigation links: Status, Settings, Sensors, Alarms, Network, SMTP, SNMP, Security, and Advanced. The main content area is titled "Sensor Settings" and includes the following sections:

- General Alarm Configuration:** Degrees Within Threshold Before Alarm Is Cleared: 1 (between 0.1 and 25.5). Trigger Alarm If Sensor Is Disconnected?:
- Alarm Thresholds:**
- Internal Sensor Alarm Configuration:** Sensor Type: Temp/Humidity, Use Alarm Profile: Profile 1. A table with columns: Sensor Label, Alarm On, High, Low, Adjust. Rows: Internal Sensor (Temperature (°F) with High, Low, Adjust values of 0), and Monitor Heat Index (Humidity (%RH) with High, Low, Adjust values of 0).
- Sensor 1 Alarm Configuration (highlighted with a red box):** Sensor Type: Temp/Humidity, Use Alarm Profile: Profile 1. A table with columns: Sensor Label, Alarm On, High, Low, Adjust. Rows: Ext Sensor 1 (Temperature (°F) with High, Low, Adjust values of 0), and Monitor Heat Index (Humidity (%RH) with High, Low, Adjust values of 0).

1. Scroll to your external digital sensor(s), the total number of which will vary depending on the Room Alert model.
2. Find the digital sensor interface that matches the port you connected your Digital Temperature & Humidity Sensor to. For example, if you used the first digital port on your Room Alert, look for *Sensor 1 Alarm Configuration*; if you used the second, look for *Sensor 2 Alarm Configuration*, and so on. Notice that your Room Alert monitor automatically detects the type of digital sensor and displays it in *Sensor Type*.
3. In *Sensor X Label*, you may leave the default, "Ext Sensor X," or enter something more descriptive of up to 15 characters. You may use the following characters in sensor labels: letters, numbers, spaces, hyphens (-), underscores (_) and periods (.).
4. *Alarm On* automatically populates with the default temperature scale and *Humidity*. Please refer to your Room Alert *User's Guide & Reference Manual* to change the default temperature scale.
5. In *High* and *Low*, you may leave the default, 0—which means no alarm is configured—or enter values for high and low thresholds. Your monitor generates alerts based on those thresholds.
6. In *Adjust*, you may leave the default, 0, or enter a value to adjust the temperature or humidity reading if it differs from a known value at that location.

Configure Your Digital Temperature & Humidity Sensor

- You may select *Monitor Heat Index* if you wish to have Room Alert use temperature and humidity to calculate the “feels-like” temperature, rather than displaying them as separate values. Notice that the *Humidity* threshold fields become grayed out and *Alarm On* changes to *Heat Index* at the default temperature scale.
- In *Use Alarm Profile*, which controls light towers and relays on your Room Alert, you may leave the default, **Profile 1**, or choose another profile from the drop-down menu.
- Select **Save Settings** at the top or bottom of the page. Your Room Alert will automatically reboot and commit your changes.

Use AVTECH’s GoToMyDevices For The Convenience Of The Cloud



Monitor unlimited Room Alert devices and sensors through the cloud with from anywhere... anytime! It's quick, easy and powerful.

Enjoy the same look and feel from any device, whether you use a phone, tablet, laptop or desktop computer.

Alert, log, graph, view, report, and manage your Room Alerts, with no software to install or update.

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Use AVTECH’s Device Manager Software For Advanced Functionality

For advanced functionality and easy management of multiple units, configure your sensor with AVTECH’s Device Manager, the software that comes FREE with the purchase of any Room Alert monitor.

You may download the latest version from your account at [GoToMyDevices.com](https://gotomydevices.com) while your subscription for extended service and support is active.

