

EVM-HTSSM

Temperature & Humidity Sensor

Sensor Description

The Temperature & Humidity Sensor is designed to monitor environmental conditions by measuring ambient temperature and relative humidity in real time.

It enables reliable environmental data acquisition for systems that require consistent climate monitoring and supports integration with monitoring platforms via PDU interfaces.

The sensor operates passively and draws power directly from the PDU connection. Its compact structure and plug-and-play design make it easy to deploy across various environments.



Front Panel View



Rear Panel View



Assembly Hole
Sensing Point
Communication Port

Typical Applications:

- Data centers
- Under raised floors
- Around CRAC units
- Utility rooms

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Connecting the Temperature and Humidity Sensor to the PDU



- Step 3 Connect the other end of the cable to the X1 or X2 port on the PDU.
- **Step 4** Power on the PDU. Sensors appear on the web interface.





Mounting the Temperature and Humidity Sensor to the PDU

- Mounting Surface Requirement: Install the sensor on a stable and flat surface such as a wall, equipment rack, or fixed panel located within the target monitoring area.
- Airflow Clearance: Ensure unobstructed air circulation around the sensor. Do not place the sensor in confined or enclosed spaces where airflow is restricted.
- **Supported Mounting Methods:** Use suitable mounting solutions such as double-sided industrial adhesive tape, hook-and-loop fasteners, magnetic bases, or screw mounting—selected based on the installation surface and environment.
- **Cable Length Limitation:** Do not exceed a maximum cable length of 3 meters between the sensor and the host device. Longer cable runs may degrade signal integrity and affect sensor accuracy.



The sensor must not be installed near direct heat sources such as radiators or areas exposed to direct sunlight, as this may affect measurement accuracy.

S Direct contact with water or other liquids must be avoided, particularly in humid environments where condensation may occur.

S Upon completing the installation, the system interface should be checked to confirm that data transmission from the sensor is functioning properly.

 \uparrow All cable connections must be securely fastened and mechanically stable; the cable should remain free of tension, sharp bends, or physical stress.

Periodic maintenance is advised, including cleaning the sensor surface and verifying operational accuracy through regular testing procedures.

