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AWARE PRODUCT SPECIFICATION SHEET

DUAL TEMPERATURE & HUMIDITY PROBE SENSOR



DESCRIPTION

The Aware wireless Dual Temperature & Humidity Probe Sensor is ideal for monitoring in-room ambient temperature and humidity where a probe sensor is also required. Typical uses include monitoring in-wall humidity to detect leaks or conditions that might lead to mold, monitoring water pipes for temperature changes to identify leaks, to count toilet flushes, to monitor HVAC hot or cold inputs or outputs, coils, or radiators. The unit utilizes two sets of temperature humidity sensors - one inside the base unit and one on the end of a wired probe - to provide accurate measurements. Data is transmitted from the sensor using the LoRaWAN wireless communication protocol.

SENSOR SPECIFICATIONS

Temperature Accuracy	± 0.4° C (0.7° F)
Operating Temperature	-20 to +80 °C
Humidity Accuracy	± 3% RH
Operating Humidity	0% to 100% RH
Power Supply	2X AA Lithium Battery

WIRELESS

Technology / Protocol	LoRaWAN
Frequency	900MHz (Global variants)
Wireless Range	1,000 ft + based on environment

KEY FEATURES

- Dual temperature and humidity Sensors (in unit and in probe)
- Long range LoRaWAN wireless communication
- 4-year battery life (configuration dependent)
- Full data archiving in the cloud
- Flexible alerting framework - notifications and escalation

PHYSICAL SIZE

Body of Actuator	4 6/16" x 1 11/16" x 1" (3.5 cm x 4.3 cm x 2.5 cm)
Probe length	10 1/2" (26.7 cm)

APPLICATION POSSIBILITIES

- In-wall humidity monitoring to identify water leaks or potential for mold growth
- HVAC pipes, coils, or radiators monitoring
- Steam pipe temperature monitoring
- Monitoring freeze or overheat conditions including frozen pipes
- Art storage and art gallery humidity levels monitoring
- Monitoring of conditions in server room or equipment room
- Refrigeration systems monitoring to prevent food spoilage or freezing
- Greenhouse humidity and temperature monitoring