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ATIM ACW-THX-v2 Temperature Humidity Sensor Sigfox Owner's Manual

Contents

ATIM

ATIM ACW-THX-v2 Temperature Humidity Sensor Sigfox

Specifications

- Product: THX IoT Sensor
- Temperature Range: 0°C to 100°C
- Humidity Range: 0% RH to 100% RH
- Precision: +/- 2% RH between 0 and 100 % RH
- IP Rating: IP30
- Autonomy: > 10 years*
- Battery: Interchangeable

Product Usage Instructions

Features:

The THX IoT Sensor enables monitoring of comfort and energy efficiency indicators in rooms and buildings through its temperature and humidity sensors.

Setup:

Setup can be done via USB, downlink, or the mobile app provided.

Functionality:

The THX regularly transmits measurements to a local gateway or via Sigfox or LoRaWAN networks. It supports datalogging, data redundancy, and remote configuration through the ATIM suite tools.

Compatibility:

Compatible with the computer and mobile versions of the IoT web platform for data visualization, remote parameterization of the sensor, and configuration of alerts based on predefined thresholds.

Multifunction Visual Signail:

The THX provides visual indicators for network quality and mode of operation, ensuring ease of monitoring.

Plug & Play:

The THX IoT Sensor is designed for easy installation and immediate use without complex setup processes.

Features

- The THX enables the monitoring of comfort and energy efficiency indicators in your rooms and buildings thanks to its temperature and humidity sensors.
- Measurements are regularly transmitted to a local gateway or via the Sigfox or LoRaWAN-operated networks. The THX benefits from the latest features of the ACW range: Datalogging and data redundancy.
- The configuration is done from the ATIM suite tools, either locally or remotely.
- Compatible with the computer and mobile versions of the IoT web platform**, the visualization of data, the remote parameterization of the sensor, and the configuration of alerts according to predefined thresholds are made possible in a few clicks.

Range: -40°C to +125°C
Precision : +/- 0.2°C between -40°C to +80°C

Range : 0% RH to 100% RH
Precision : +/- 2% RH between 0 and 100 % RH

IP30 protection rating

Autonomy > 10 years*

Interchangeable batteries

Setup via USB, downlink or mobile app

Multifunction visual signail:
- Network quality
- mode of operation

Plug & Play

References

Part number ACW/THX-v2
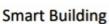**Technology** Sigfox LoRaWAN

- The autonomy of a product depends on several external factors (ambient temperature and humidity, transmission frequency, network quality, etc.).

Subject to environmental conditions

- Available with a subscription to the Atim Cloud Wireless web platform.

OPTIMIZE AND CONTROL ENERGY PERFORMANCE

Smart Building   Smart City   Smart Industry

- Monitoring of the ambient temperature and humidity of a public building.
- Comply with the law on energy transition which recommends an ambient temperature of 19 ° C in tertiary buildings and 22 ° C in hospitals.
- Limit periods of overheating.
- Rapid ROI thanks to energy savings.
- ATIM works with the largest energy suppliers.

- Guarantee the comfort and satisfaction of your clients.
- Ensure optimum temperature in all rooms.
- Control the building's energy budget.
- ATIM sensors are installed in many hotels in France and abroad.

- Monitor the temperature inside a work site electrical cabinet.
- Prevent the potential risk of fire due to an electrical overload or too high a temperature.
- Locate your electrical cabinets on different sites and ease inventories thanks to the GPS version.
- ATIM equips thousands of construction sites for a major player in the construction industry.

FAQ

- **Q:** How long is the battery life of the THX IoT Sensor?
  - **A:** The autonomy of the product is estimated to be over 10 years, subject to environmental conditions and usage.
- **Q:** Can the THX sensor be used in public buildings?
  - **A:** Yes, the THX IoT Sensor is suitable for monitoring ambient temperature and humidity in public buildings to optimize energy performance.
- **Q:** Is remote configuration possible?
  - **A:** Yes, remote parameterization of the sensor and configuration of alerts are possible through the IoT web platform.

Documents / Resources

ATIM ACW-THX-v2 Temperature Humidity Sensor Sigfox [pdf] Owner's Manual
ACW-THX-v2 Temperature Humidity Sensor Sigfox, ACW-THX-v2, Temperature Humidity Sensor Sigfox, Humidity Sensor Sigfox, Sensor Sigfox

References

- **User Manual**