

ACW-TH-O

Temperature/Humidity Sensor Outdoor

OUTDOOR · ALERT · SMART CITY/BUILDING

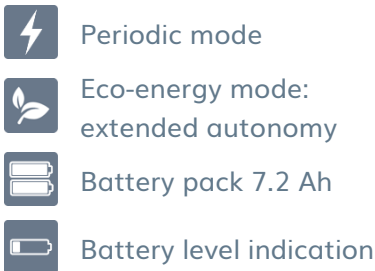
Networks



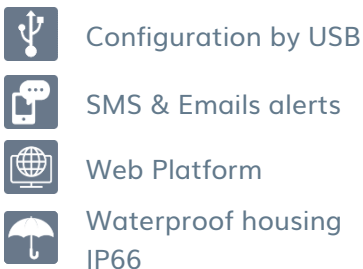
Performances



Autonomy



Diverse



The ACW-TH-O is a radio sensor for measuring ambient temperature and outdoor humidity. The case is waterproof, so it can be subjected to bad weather. The transmission of data is done periodically.

Thanks to the "Eco-energy" mode, it is possible to reduce the number of emissions in order to extend battery life by up to 3 times, this reducing your operating costs and your impact on the environment.

In case of anomaly, an email or SMS will be instantly sent to one or more previously configured recipients.

This temperature / humidity sensor is available in different versions designed to work on the new LPWAN networks dedicated to the Internet of Things: Sigfox and LoRaWAN. Ideal for supervising your equipment on the Web, it is perfectly suited for the surveillance of buildings in the tertiary or industry or even agriculture.



Technical features

<i>Dimensions</i>	100 x 100 x 35 mm	
<i>Antenna</i>	Integrated (¼ wave)	
<i>Temperature</i>	-20°C à +55°C (Operating mode) -40°C à +70°C (storage)	
<i>Fixation</i>	Mural	
<i>Housing</i>	Compact PVC IP66	
<i>Power supply</i>	Battery pack 7.2 Ah	
<i>Weight</i>	180 g	
<i>Frequency</i>	865 – 870 MHz	
<i>Power</i>	25 mW (14 dBm)	
<i>Speed</i>	Sigfox: 100 bit/s LoRaWan: 300 bit/s à 10 Kbit/s	
<i>Consumption</i>	Sigfox :	LoRaWan :
<i>Tx Mode</i>	60 mA	50 mA
<i>Standby</i>	7 µA	7 µA
<i>Rx Mode</i>	35 mA	18 mA

References

Outdoor sensor:

- ACW/SF8-TH-O
Sigfox
- ACW/LW8-TH-O
LoRaWan

Available with ACW Platform subscription.



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