

Wireless Temperature & Humidity Sensor Datasheet

A Member of SADE.io IoT Cloud Family

Product Description

The SADE.io™ Wireless Temperature use a digital high accuracy sensor inside. These sensors are perfect for monitoring ambient temperature and relative humidity around the sensors physical location. User customization allows you to set the frequency of readings and the ability to set thresholds for alerts via SMS text and/or email. SADE.io Wireless Sensors communicate with the SADE.io™ Gateway for Real Time Sensor Monitoring and Notification Platform via cellular or WiFi connectivity options.

- Wireless Temperature & Humidity Sensor
- Real plug & play
- Easy to mount
- No PC required for operation
- 2 x AAA Battery

Product Options

- Magnet Mounting
- IoT Platform
- IP67 Enclosure (Optional)



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Product Specifications

Technology	Bluetooth Smart (Low Energy)
Antenna Type	Internal Antenna
Radio Performance	+8 dBm TX power and -98 dBm sensitivity (Long Range)
Battery	2 x AAA (Replaceable)
Battery Life	2 Years
Dimensions & Weight	88.5 x 63 x 27.5mm / 96 gr
Mounting	With magnet
Storage / Operating Temperature:	-40 °C ~ +85 °C / -25 °C ~ +70 °C
Enclosure Material	ABS (Enclosure for outdoor applications separately supplied.)
Measurement Range	-25 °C ~ +70 °C / 0 - 100% RH
Accuracy	+/-0,5 °C / ±2 % RH
Resolution	0,04 °C / 0,04 % RH
Data Transmission Rate	Default: One signal every 3 minutes (can be customized)
Range	50m to 250m outdoor LOS* conditions.
Operating Frequency	2,4 GHz
Data Security	AES-128
Certifications	CE ISO 9001:2008

*LOS: Line of sight

Technical Drawing

