

Wireless Outdoor Temperature and Humidity Sensor



Z712 Datasheet

Version 1.4

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Wireless Outdoor Temperature and Humidity Sensor

General Description

The Z712 is a Wireless Outdoor Temperature and Humidity Sensor. It detects the temperature and humidity in air and carrying a waterproof cover.

It follows IEEE802.15.4 standard and can communicate with the terminal device on the ZigBee network.

Electric

Input Power	2 x 1.5V AA batteries
Operating Current	< 40mA
Standby Current	< 2uA

Temperature And Humidity Sensor Feature

Temperature Measuring Range	-10°C to 50°C
Temperature Accuracy	±0.5°C @25°C
Humidity Measuring Range	5%RH to 95%RH
Humidity Accuracy	±4.5% RH @25°C

Frequency

Frequency	2.4 ~ 2.4835 GHz
Channel	16 (ISM11 ~ 26)
Data Transfer Rate	250Kbps
Modulation	DSSS (O-QPSK)
Output Power	-32dBm to 3dBm (adjustable)
Rx Sensitivity	-97dBm
Antenna Type	Metal antenna
Communication Rang	70 m

Physical

Dimension	Water cover: L:222mm*W:130mm*H:195mm Main part: L:112mm*W:34mm*H:17mm
Working Temperature	-10°C ~ 50°C
Storage Temperature	-40°C ~ 85°C