

# Datasheet

Version 1.0

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## History

<b>Version</b>	<b>Date</b>	<b>Note</b>
1.0	2014-2-26	Initial Release

### **Notes:**

Hardware version V1.5

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**Wireless Temperature and Humidity Sensor**

Fig.1 Z716A Appearance

**Introduction**

Netvox Z716A, a humidity/temperature sensor with LCD display, acts as an End Device in ZigBee network. It does not perform permit-join function as a coordinator or a router for other devices to join the network. The humidity/temperature data can be also sent to the ZigBee network center wirelessly.

**Electric**

Input power	2 x AA batteries
operating voltage	2.3V~3.6VDC
Work mode(max)	40mA/3V/120mW
Standby mode	0.6uA/3V/1.8uW

**Frequency**

Frequency	2.4 — 2.4835 GHz
Channel	16 (ISM 11~26 )
TX power	7dBm (max)
Rx sensitivity	-101dBm
Antenna type	Build-in antenna
Communication rang	100 m (line-of-sight)
Data transfer rate	250Kbps

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**Wireless Temperature and Humidity Sensor**

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Spread technique	DSSS (O-QPSK)
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**Physical**

Dimension	112mm*34mm*17mm
Working Temp	-10°C — 50°C
Storage Temp	-40°C — 85°C
Temperature Detecting Range	-10°C — 50°C
Temperature Accuracy	+/-0.5°C @25°C
Humidity Detecting Range	5%RH---95%RH
Humidity Accuracy	+/-4.5%RH @25°C