S05-TH
ZigBee Wireless Air Temperature & Humidity Sensor

ZigBee Control your world

HA Profile Compliant

CE FC

Features & Benefits

■ High Precision temperature and humidity sensor

■ Compatible with ZigBee Sentrol Cloud and ZigBee Complete Solution for constant data collection, instant awareness and automated environment control

■ 500m/1640ft wireless transmission range

■ Fitted with UV protection and IP66 Water and dust proofing to protect against the elements

■ Powered by 4 x AA battery with a battery life of 1yr+ or DC 5V adapter
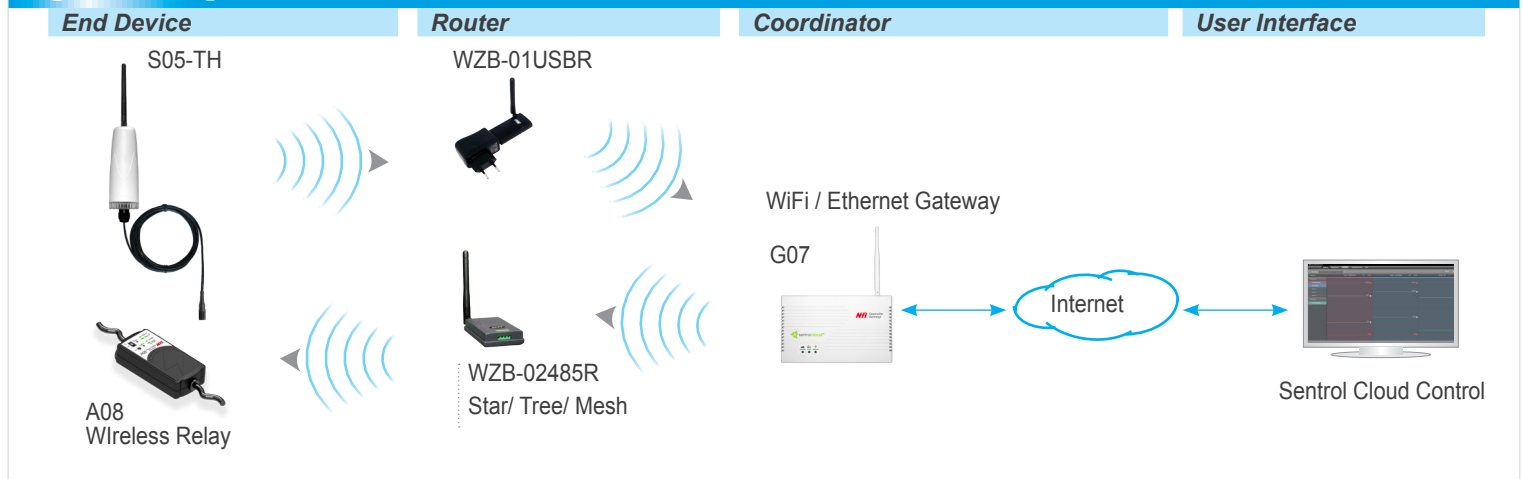
■ Rapid Return on investment

Product description:
The S05-TH is a temperature and humidity sensor designed for precision data capturing in agriculture. This wireless device is housed in an IP66 certified casing eliminating the need for wire and cable installation and giving it a high resistance to extreme weather and conditions. The S05-TH is battery poweredor DC 5V and has a transmission range of 500m making it suitable for installation out in the fields. This device is also compatible with ZigBee Sentrol Cloud and ZigBee Complete Solution for constant data collection, instant awareness and automated environment control. This device can function as an 'end device' (sensor) in a ZigBee Tree, Star or MESH system

Specifications

Sensing Type	Temperature and humidity	Transmit Interval	Set by DIP Switch (1sec. ~ 75min.)
Sensing Range	Temperature: -30°C~80°C (-22°F~176°F) Humidity: 0~100% RH (Non-condensing)	Network Topology	Star/ Tree/ Mesh
		Power Supply	DC 6V w/ 4 x AA battery or DC 5V adapter
Measurement Acc	± 0.5°C/ 4.5%RH	Operating Environment	Temperature: -10°C to 50°C/14°F~122°F Humidity: 0~100% RH (Non-condensing)
Addressing	IEEE MAC 64 bit		
Wireless Protocol	IEEE 802.15.4 Zigbee2007/PRO HA Profile	Dimensions	13(H) X 5(Φ) cm 5.1(H) X 1.9(Φ) inches
Transmission Range	500 meters / 1640 feet (Free space)		
Operating Frequency	2.4GHz ISM Band	Weight	265g/ 9.34oz
RF Output Power	18dBm	Operating System	Windows 95 ~ Win8
Receiver Sensitivity	-92dBm	Certifications	CE/ FCC
Waterproof level	IP66	Battery Life	1 year based on sending data per 10 mins.
Power Consumption	Tx:350mA/ Sleep:5uA	Interoperability	Sentrol Cloud

ZigBee Complete Solution

End Device	Router	Coordinator	User Interface

S05-TH

WZB-01USBR

WiFi / Ethernet Gateway

G07

Internet

WZB-02485R
Star/ Tree/ Mesh

A08
WIreless Relay

Sentrol Cloud Control

Product Range & Accessories

Solution	Model No.	Description	Solution	Model No.	Description
End Device	S05-TH	Wireless Temperature and Humidity Sensor	Gateway	G07	ZigBee to WiFi /Ethernet/3G Gateway
Relay Router	A08	Wireless Power Meter Actuator	Cloud	Sentrol Cloud	Sensor Control Cloud Service
Router	WZB-01USBR	Wireless ZigBee Router (USB DC 5V)			
Router	WZB-02485R	Wireless ZigBee Router (DC 6-24V)			