

S05-ST ZigBee Wireless Outdoor Soil Temperature Sensor



Features and Benefits

- High Precision soil temperature sensor
- Compatible with ZigBee Sentrol Cloud and ZigBee Complete Solution for constant data collection, instant awareness and automated environment control
- H00m/Ji 4ft 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+
- Rapid Return on investment

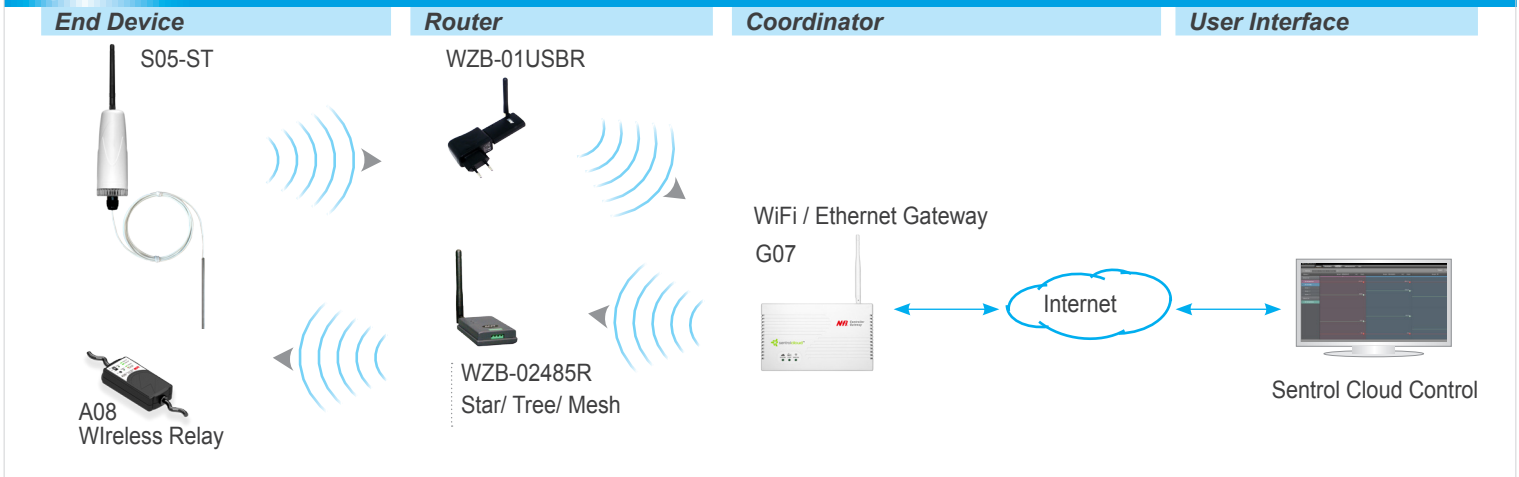
Designed Specially for Precision Control in Agriculture

The S05-ST is a soil temperature sensor designed for precision data capturing in agriculture. This wireless device is housed in an IP66 certified casing eliminating the need for wire installation and giving it a high resistance to extreme weather and conditions. The S05-ST is battery powered 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	Soil Temperature	Transmit Interval	Set by DIP Switch (1sec. ~ 75min.)
Sensing Range	-40°C~120°C	Network Topology	Star/ Tree/ Mesh
Measurement Acc	± 1°C	Power Supply	DC 6V w/ 4 x AA battery
Addressing	IEEE MAC 64 bit	Operating Environment	Temperature: -10°C~45°C/14°F~113°F Humidity: 0~95% RH
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	W / J 500 m / J 4 feet	Weight	16g / 0.56oz
Operating Frequency	2.4GHz ISM Band	Certifications	CE/FCC
RF Output Power	18dBm	Battery Life	1 year based on sending data per 10 mins.
Receiver Sensitivity	-92dBm	Interoperability	Sentrol Cloud
Waterproof level	IP66		
Power Consumption	Tx:350mA/ Sleep:5uA		

ZigBee Complete Solution



Product Range & Accessories

Solution	Model No.	Description	Solution	Model No.	Description
End Device	S05-ST	Wireless Soil Temperature Sensor	Gateway	G07	ZigBee Gateway (Co-ordinator)
Relay Router	A08	Wireless Power Meter Actuator	Cloud	Sentrol Cloud	Sensor control cloud service
Router	WZB-01USBR	DC 5V Adaptor			
Router	WZB-02485R	DC 6 ~ 24V by terminal block			