

SZ3996B

**ZIGBEE wireless greenhouse dedicated temperature, humidity,
illuminance, soil moisture, soil temperature sensor**

User Manual

File Version: V23.5.5



SZ3996B using the standard ZIGBEE Wireless Communication Interface,easy access to PLC , DCS and other instruments or systems for monitoring Illuminance,temperature,humidity,soil Moisture,soil temperature state quantities.The internal use of high-precision sensing core and related devices to ensure

high reliability and excellent long-term stability, can be customized
RS232, RS485, CAN, 4-20mA, DC0~5V\10V, ZIGBEE, Lora, WIFI, GPRS and other output methods.

Technical Parameters

Technical parameter	Parameter value
Brand	SONBEST
Illuminance measuring range	0~65535Lux
Illuminance allow deviation	± 7%
Repeatability test	± 5%
Illuminance detection chip	Import digital
Wavelength range	380nm~730nm
Temperature measuring range	-30℃~80℃
Temperature measuring accuracy	± 0.5℃ @25℃
Humidity measuring range	0~100%RH
Humidity accuracy	± 3%RH @25℃
Moisture measuring range	0~100%
Moisture measuring accuracy	± 3% @25℃
Moisture Temperature range	-30℃~80℃
Moisture Temperature accuracy	± 0.5℃ @25℃
Communication Interface	ZIGBEE
Radio frequency	2.4G ISM
Network Type	Star network
Network capacity	65535
Power	DC9~24V 1A
Dimensions	Φ 28.5mm×127mm

Product Size



Wiring instructions

In the case of broken wires, wire the wires as shown in the figure. If the product itself has no leads, the core color is for reference.

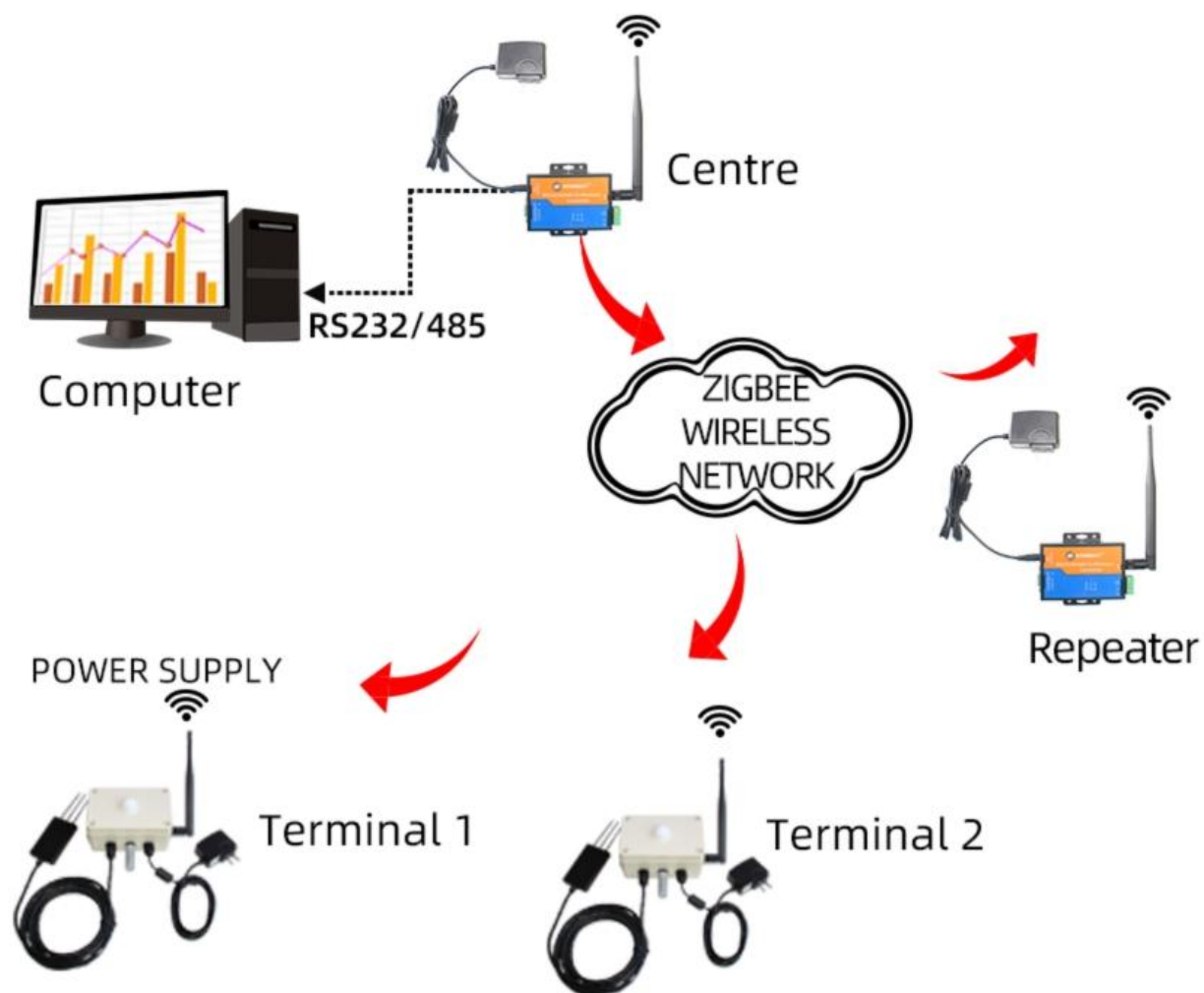
Application solution



Zigbee Transmission
100-800Rice



Basic application scheme



How to use?

It is mainly used for long-distance real-time monitoring and observation in the fields of agriculture, industry and Environmental monitoring



Product List



Sensors



Certificate

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