

**SZ8252B****ZIGBEE wireless temperature, humidity, illuminance, soil moisture, soil temperature board****User Manual**

File Version: V23.7.1



SZ8252B using the standard ZIGBEE Wireless Communication Interface,easy access to PLC , DCS and other instruments or systems for monitoring Illuminance,temperature,humidity,soil Moisture 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℃
Moisture measuring range	0~100%
Moisture measuring accuracy	± 3% @25℃
Communication Interface	ZIGBEE
Radio frequency	2.4G ISM
Network Type	Star network
Network capacity	65535
Power	DC9~24V 1A
Display	LED

### Product Size



### Wiring instructions

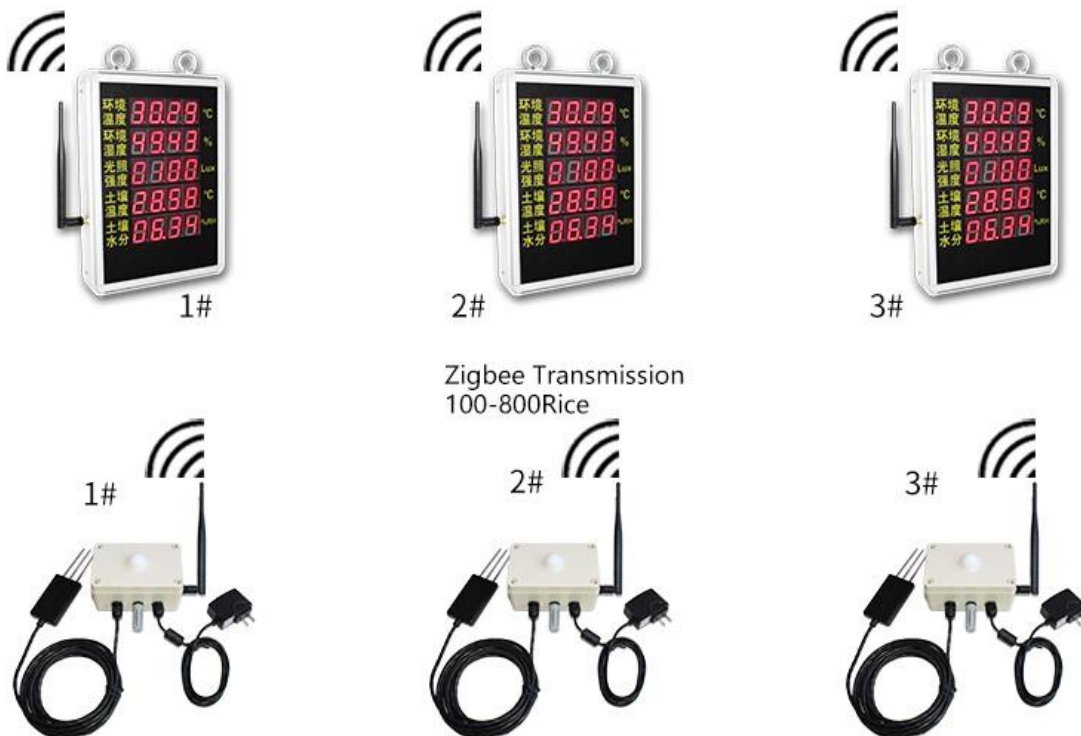
In the case of broken wires, wire the wires as shown in the figure. If the product itself has no leads, the core color is for reference.

### How to use?

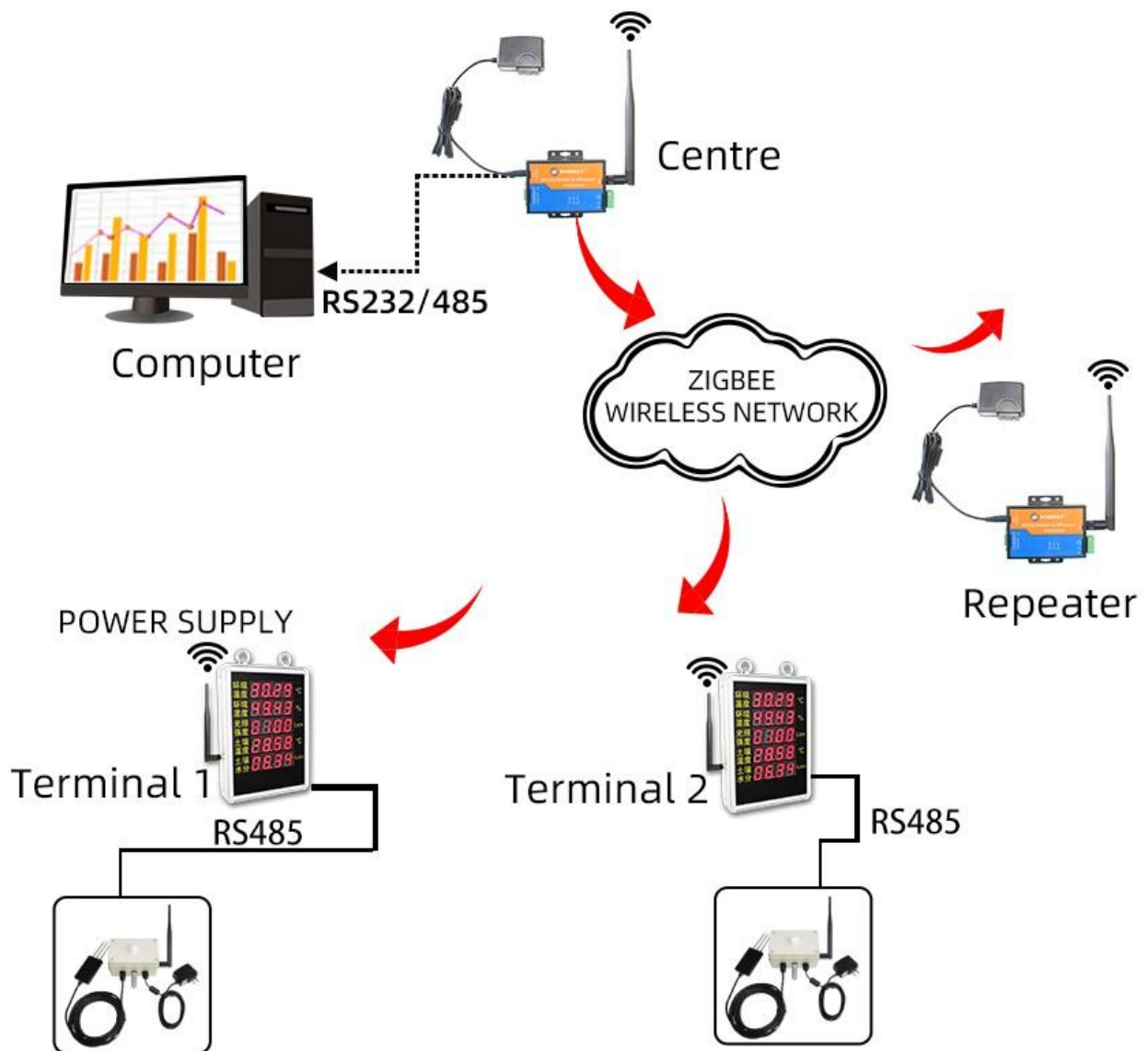
It is mainly used in agriculture, industry and Environmental monitoring for long-distance real-time monitoring and observation



### Application solution



# Basic application scheme



## Note:

1. The center and terminal are of the same model, and the transmission is transparent.
2. Repeater only for signal enhancement, power on, do not connect RS485 peripherals
3. The communication distance is greatly affected by the environment. It is suggested that communication test should be carried out during the distribution

## Product List





1 set instrument

### Disclaimer

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