

SZ3391**ZIGBEE wireless carbon dioxide, illuminance, temperature,
humidity integrated sensor****User Manual**

File Version: V23.8.18



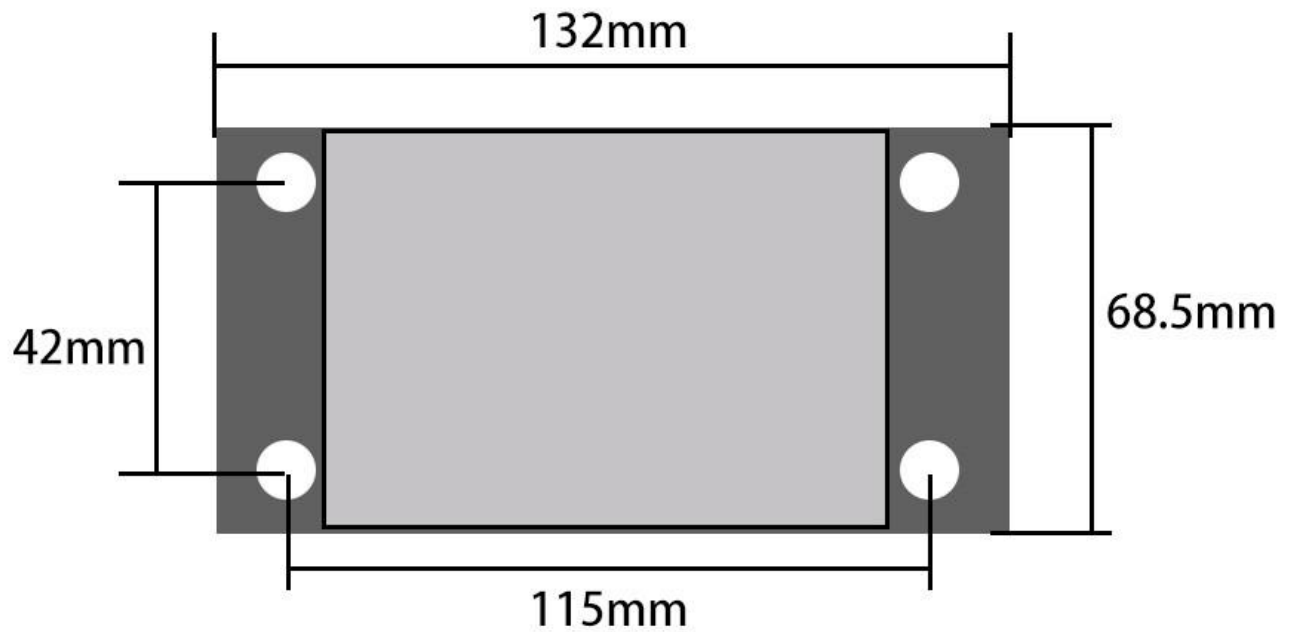
SZ3391 using the standard ZIGBEE Wireless Communication Interface, easy access to PLC, DCS and other instruments or systems for monitoring carbon dioxide, illuminance, temperature, humidity, atmospheric pressure state quantities. The internal use of

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
CO2 range	0~5000ppm
CO2 accuracy	±100ppm
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℃
Atmospheric pressure range	30~110kpa
Atmospheric pressure accuracy	±0.5%
Communication Interface	ZIGBEE
Radio frequency	2.4G ISM
Network Type	Star network
Network capacity	65535
Power	DC9~24V 1A
Dimensions	Φ28.5mm×127mm

Product Size



Wiring mode

RS485 Wiring

	RD	PWR+
	GN	PWR-
	YE	RS485 A+
	BU	RS485 B-

※Note: When wiring, connect the positive and negative poles of the power supply first, and then connect the signal wire

Wiring instructions

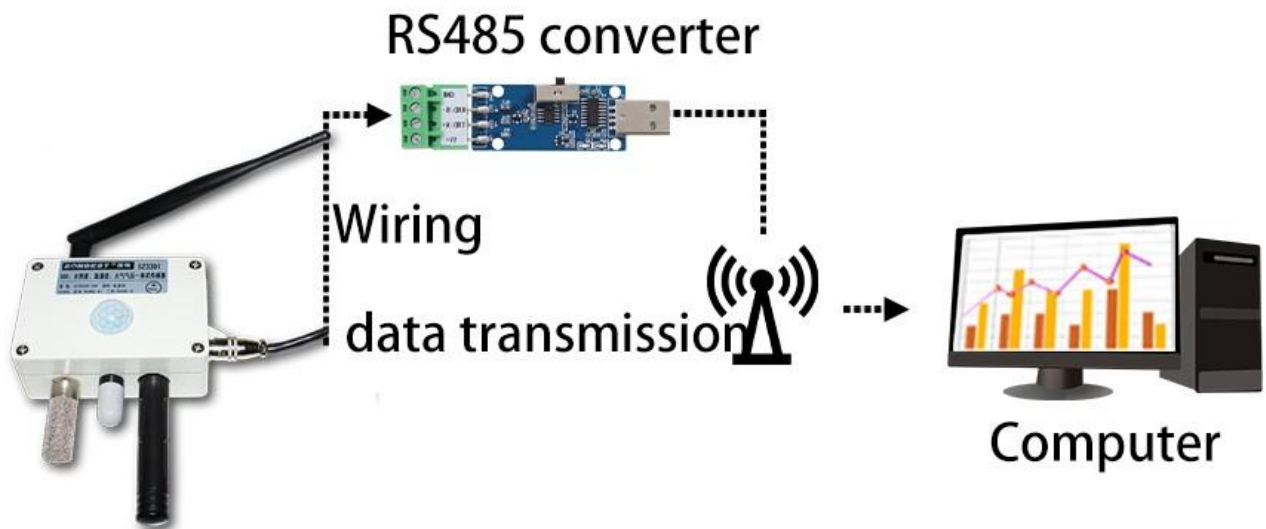
In the case of broken wires, wire the wires as shown in the figure. If the product itself has no leads, the core color is for reference.

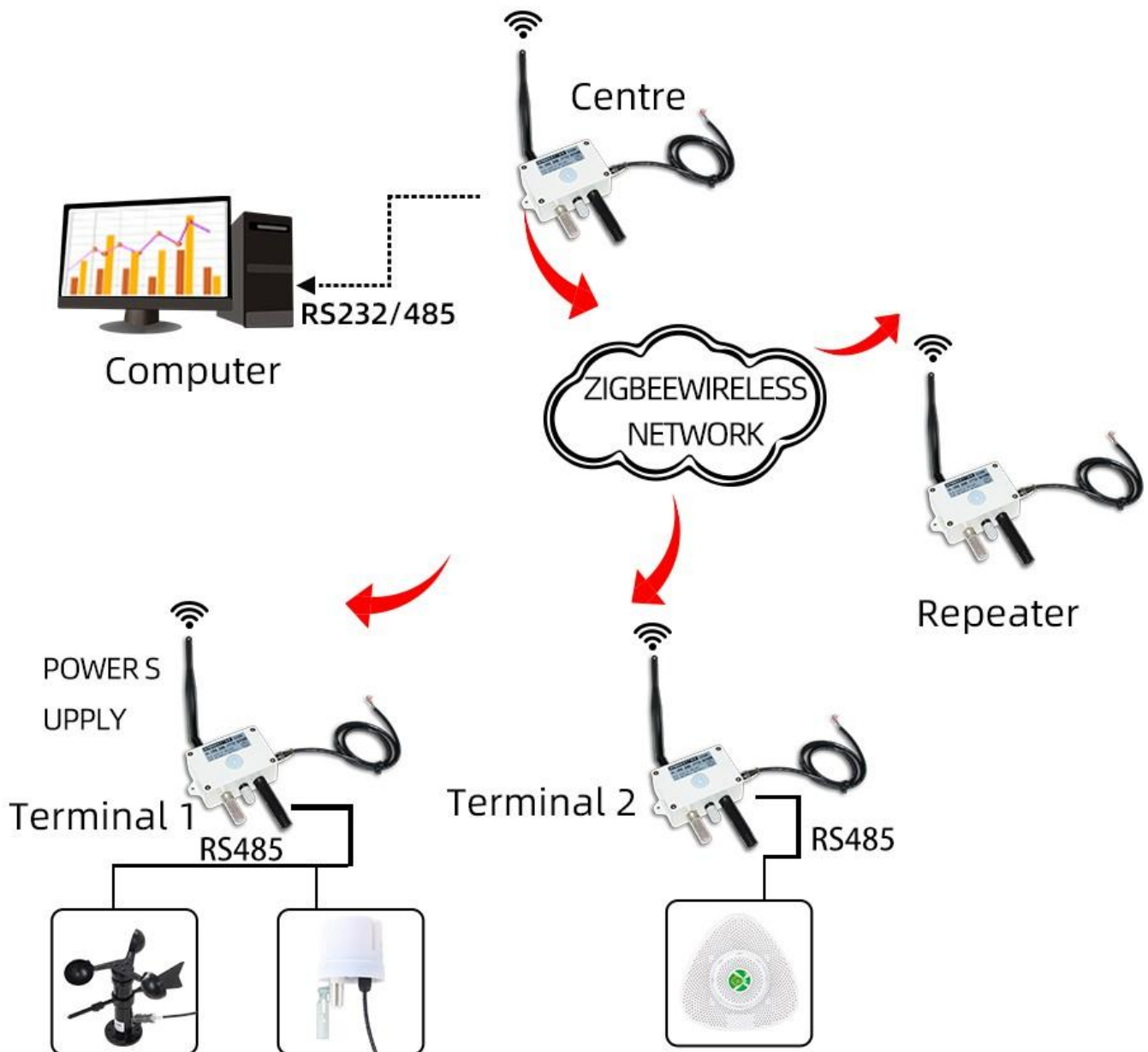
How to use?

It will be monitored in real time every day, and it has a wide range of applications, and is widely used in agriculture, forestry, greenhouse cultivation, breeding, environmental measurement and research



Application solution





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



ZIGBEE wireless carbon dioxide,
illuminance, temperature, humidity integrated sensor



Warm Reminder card



Certificate

Disclaimer

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