



SONBEST SZ7001 ZIGBEE Wireless Tipping Bucket Rain Sensor User Manual

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SZ7001
ZIGBEE wireless tipping bucket rain sensor
User Manual
File Version: V21.3.11



SZ7001 using the standard ZIGBEE Wireless Communication Interface,easy access to PLC DCS and other instruments or systems for monitoring rainfall 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 parameter	Parameter value
Brand	SONBEST
Rainfall range	0.01mm~4mm/min
Rainfall Resolution	0.01mm~4mm/min
Rain inlet size	φ200mm
Rainfall Sharp edge	40°~45
Rainfall accuracy	±3%
Communication Interface	ZIGBEE
Radio frequency	2.4G ISM
Network Type	Star network
Network capacity	65535
Power	DC9~24V 1A
Running temperature	-40~80°C

Wiring instructions

Any incorrect wiring can cause irreversible damage to the product. Please carefully wire the cable as follows in the case of power failure, and then connect the cable to confirm the correctness and then use it again.

ID	Core color	Identification	Note
1	Red	V+	Batter V+
2	Green	V-	Batter V-

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.

Contents

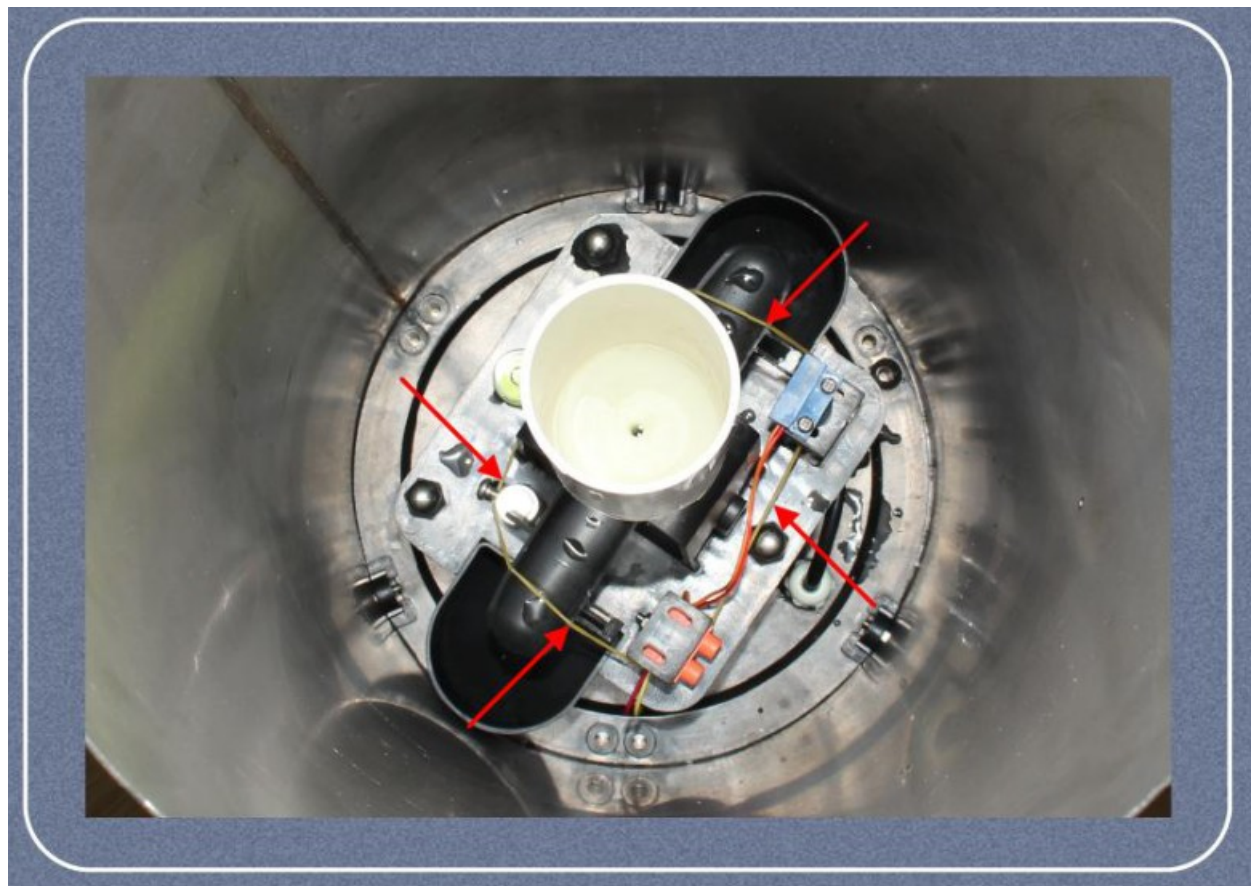
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How to use?



Remind

In order to prevent internal damage during transportation, a rubber band can be fixed inside the cargo, which needs to be re-moved during use.



Where are they often used,

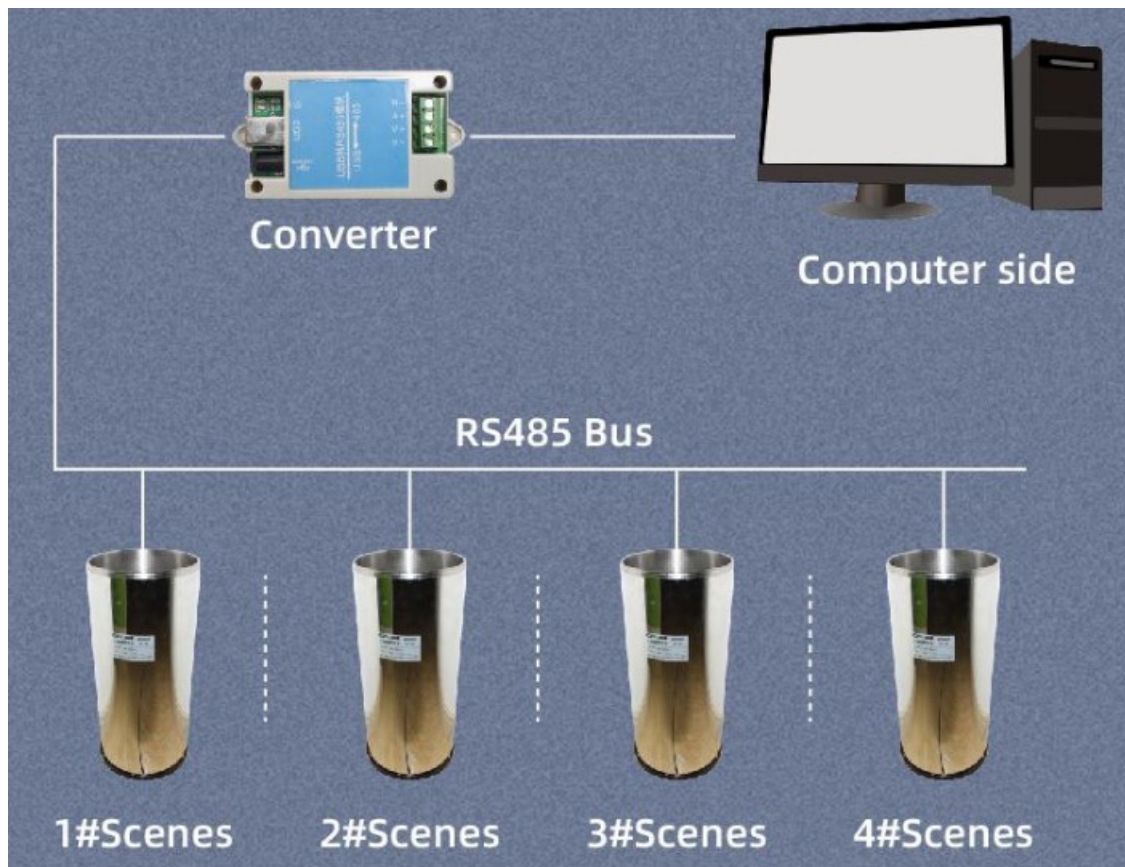
Rain sensors are widely used in:

Meteorological stations (stations), hydrological stations, agriculture, forestry, national defense, and other relevant departments are used to remotely measure liquid precipitation, precipitation intensity, and the start and end time of precipitation. It is a system used for flood control, water supply scheduling, water regime management of power stations and reservoirs in hydrological automatic forecasting systems and on-site automatic forecasting stations, and is a precipitation measurement sensor.

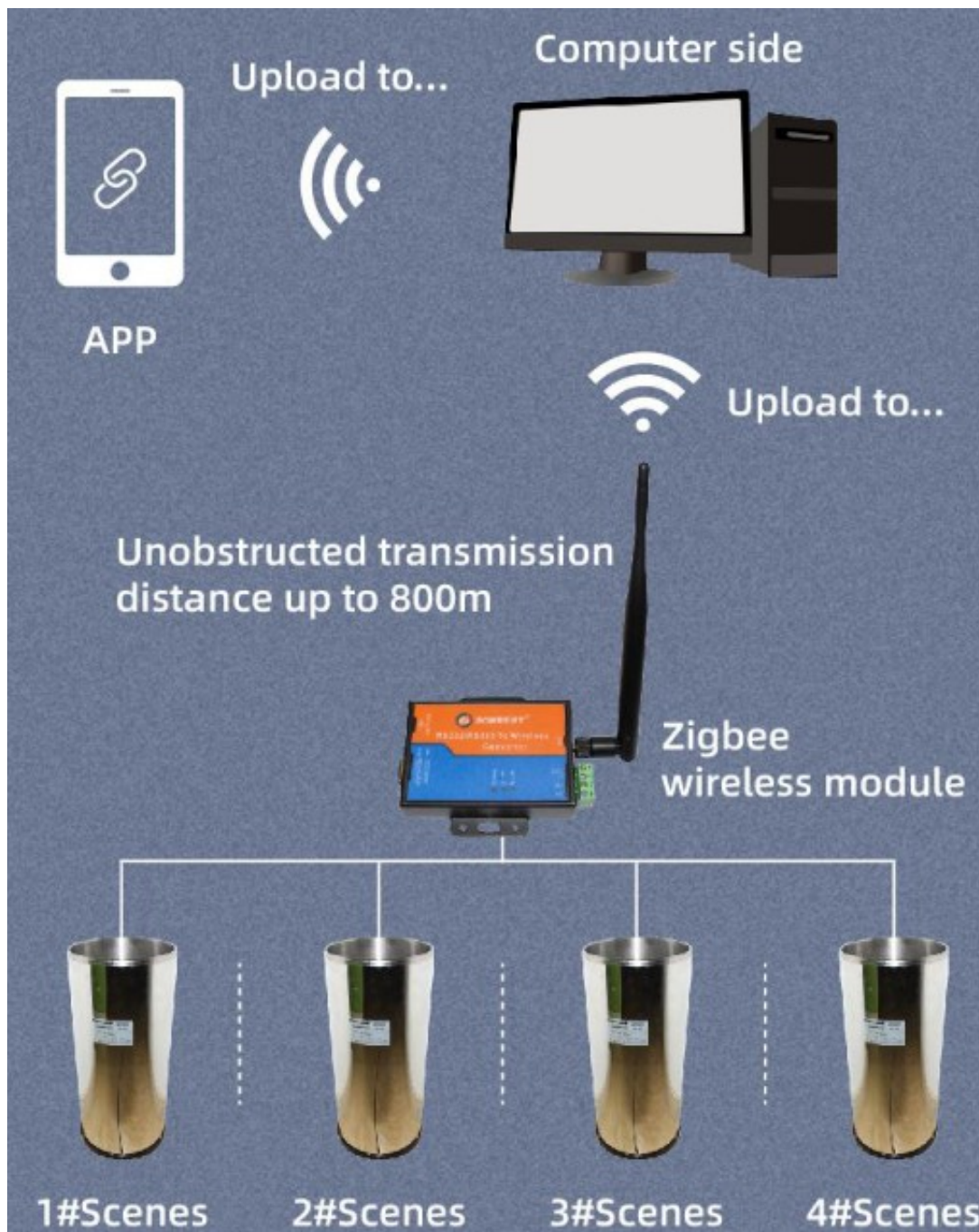


APPLICATION SOLUTION

RS485 Wiring



Zigbee Wiring



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Documents / Resources

	SONBEST SZ7001 ZIGBEE Wireless Tipping Bucket Rain Sensor [pdf] User Manual SZ7001, ZIGBEE Wireless Tipping Bucket Rain Sensor
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References

- [Home-Šæµ·æœåšă@žă šæœ%œé™ă...-ă](#)
- [Home-SONBEST -SONBUS.COM| THE SENSOR COMPANY](#)
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