

KM70Z01

Zigbee tipping bucket type Stainless Steel Rain Sensor

User Manual

File Version: V21.2.15



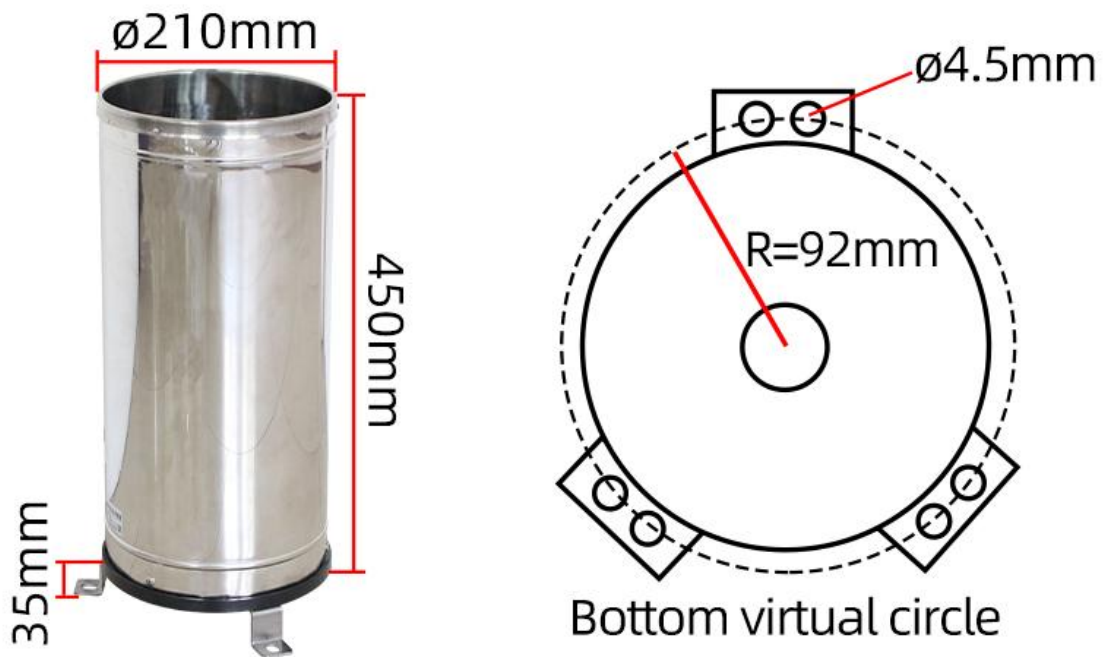
KM70Z01 using the standard ZIGBEE Wireless Communication Interface, easy access to PLC, DCS and other instruments or systems for monitoring rainfall state quantities. The internal use of high-precision sensing core and related devices to ensure high reliability and excellent long-term stability, can be customized RS232, RS485, CAN, 4-20mA, DC0~5V\10V, ZIGBEE, Lora, WIFI, GPRS and other output methods.

Technical Parameters

Technical parameter	Parameter value
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Rainfall range	0.01mm~4mm/min
Rainfall Resolution	0.01mm~4mm/min
Rain inlet size	φ 200mm
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

Product Size



How to wiring?



BOTTOM SIGNAL LINE





RS485 output standard wiring
length 5 meters

Pulse output standard wiring
length 3 meters

WATER INLET

The measuring port is $\varnothing 200\text{mm}$
Equal diameter height is 80mm



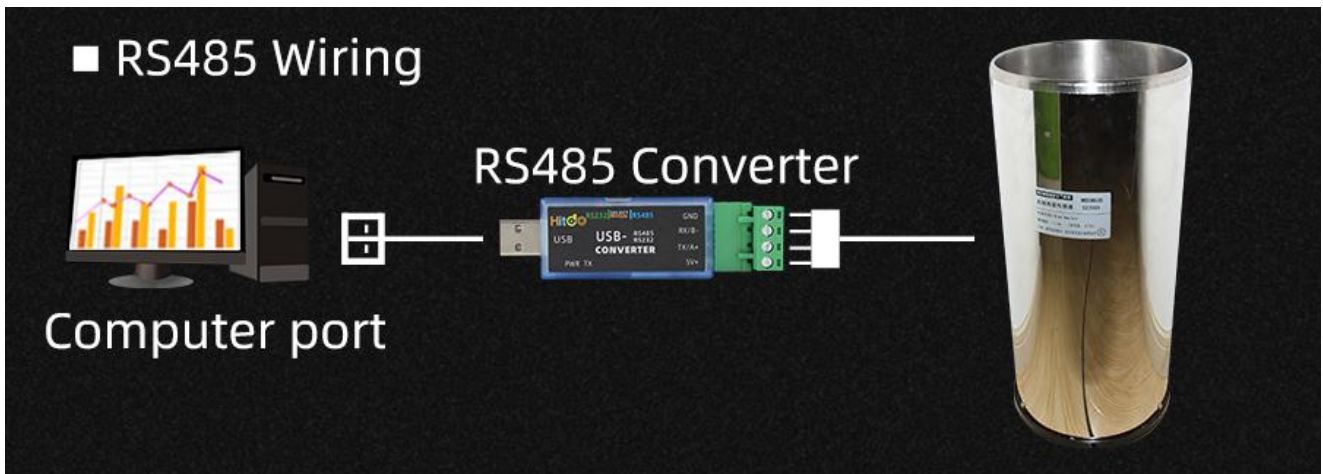
RS485 Wiring		
	RD	PWR+
	GN	PWR-
	YE	RS485 A+
	BU	RS485 B-

ZIGBEE Wiring		
	RD	PWR+
	GN	PWR-
	YE	(Z)RS485 A+
	BU	(Z)RS485 B-

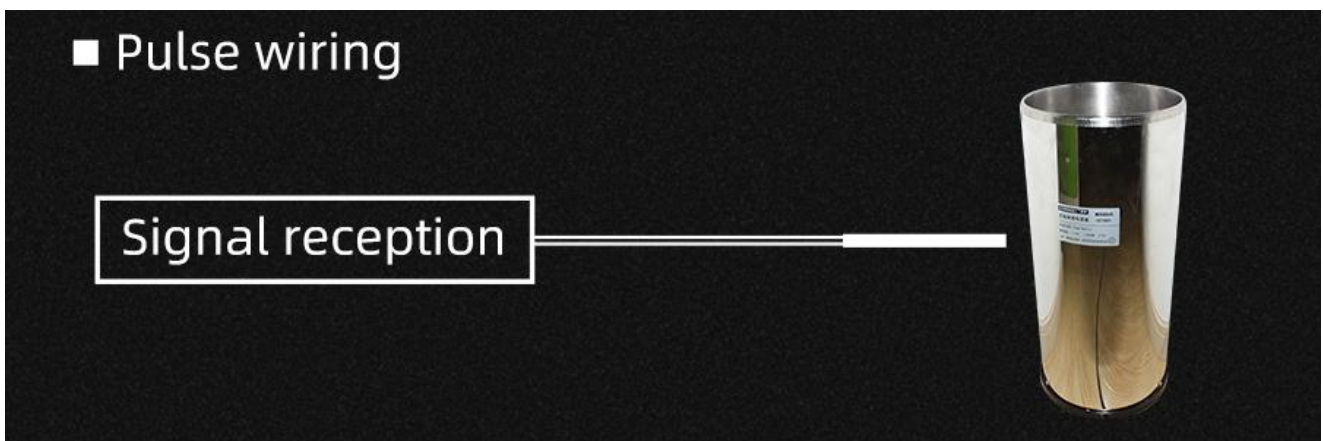
Pulse Wiring	
Random core color	Signal line
Random core color	Signal line

Application solution

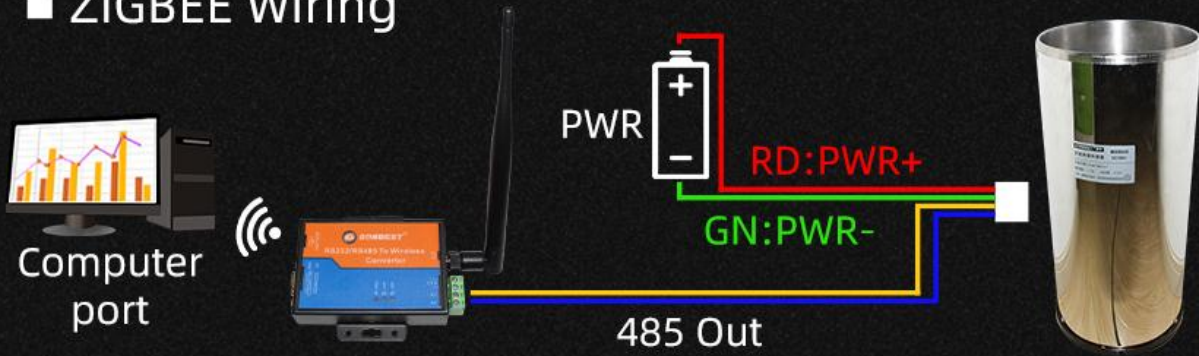
■ RS485 Wiring



■ Pulse wiring

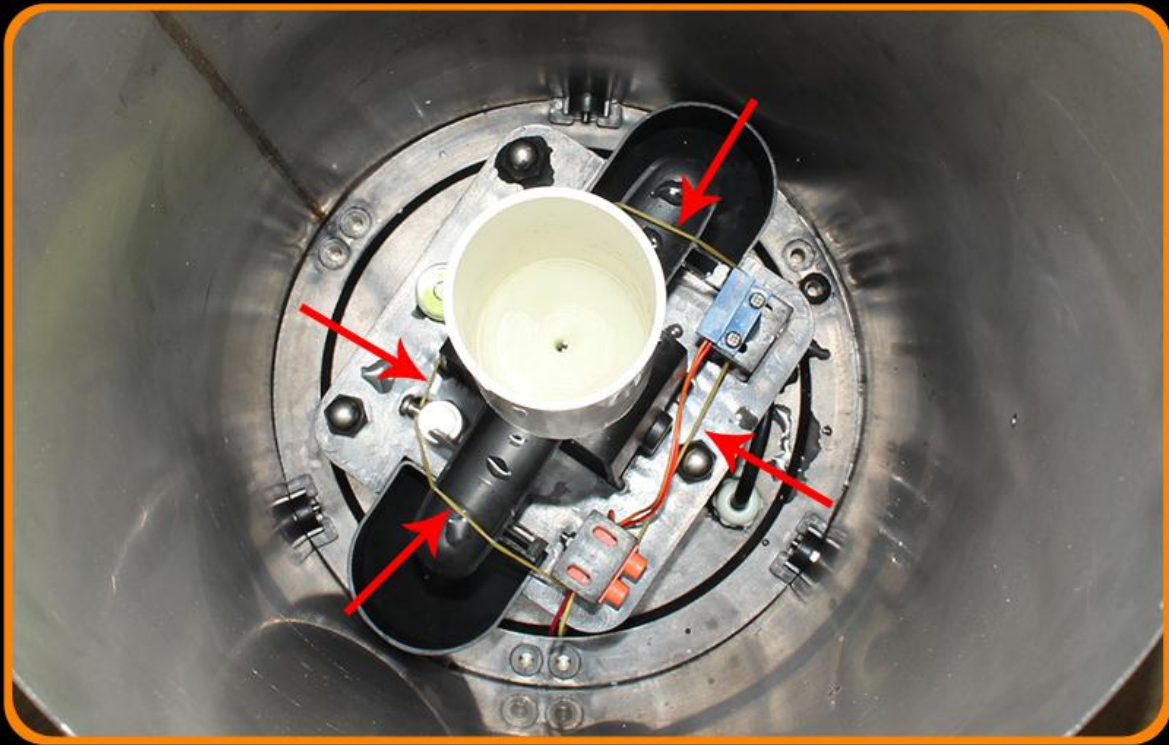


ZIGBEE Wiring



REMINDER

In order to prevent internal damage during transportation, there is a rubber band for fixing inside when it is shipped, which needs to be removed during use



How to use?



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