



SONBUS SM6361B Temperature Sensor User Manual

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SONBUS SM6361B Temperature Sensor

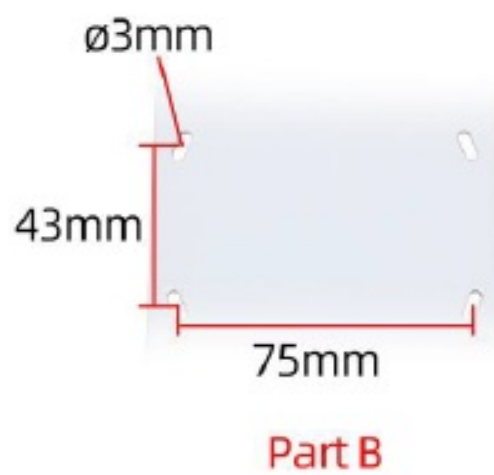


SM6361B uses the standard RS485 bus MODBUS RTU protocol, easy access to PLC DCS, and other instruments or systems for monitoring temperature humidity and Illuminance state quantities. The internal use of high precision sensing core and related devices to ensure high reliability and excellent long-term 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
Temperature measuring range	-50°C~120°C
Temperature measuring accuracy	±0.5°C @25°C
Humidity measuring range	0~100%RH
Humidity accuracy	±3%RH @25°C
Illuminance measuring range	0~65535Lux
Illuminance allow deviation	±7%
Repeatability test	±5%
Illuminance detection chip	Import digital
Wavelength range	380nm~730nm
Communication Interface	RS485
Default baud rate	9600 8 n 1
Power	DC9~24V 1A
Running temperature	-40~80°C
Working humidity	5%RH~90%RH

Product Size



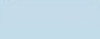


How to wiring?




RS485 Wiring

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

4~20mA Wiring

	RD	PWR+
	BK	PWR-
	BU	I OUT

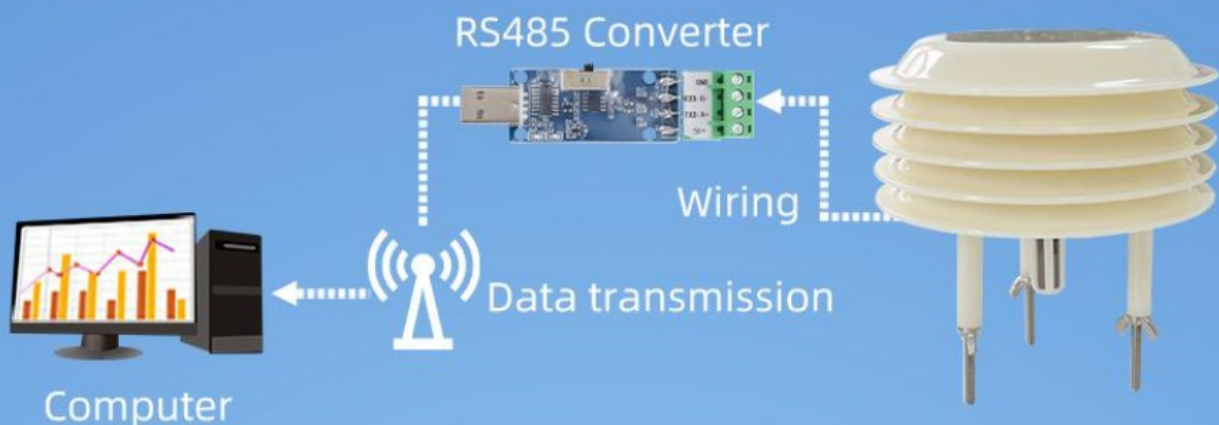
0~5V/10V Wiring

	RD	PWR+
	BK	PWR-
	BU	V OUT

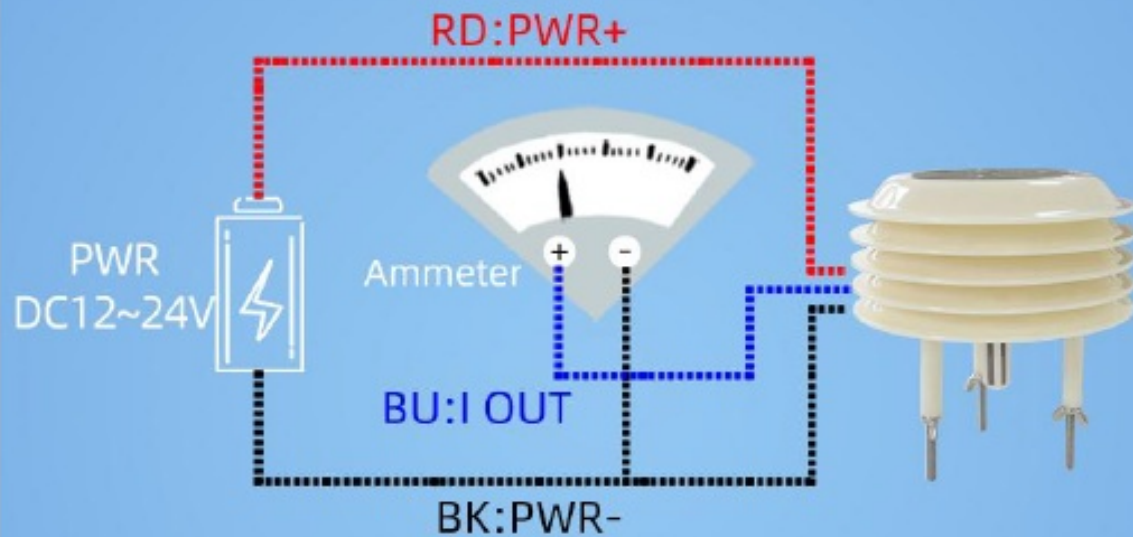
※Note: When wiring, connect the positive and negative poles of the power supply first, then connect the signal wire

Application solution

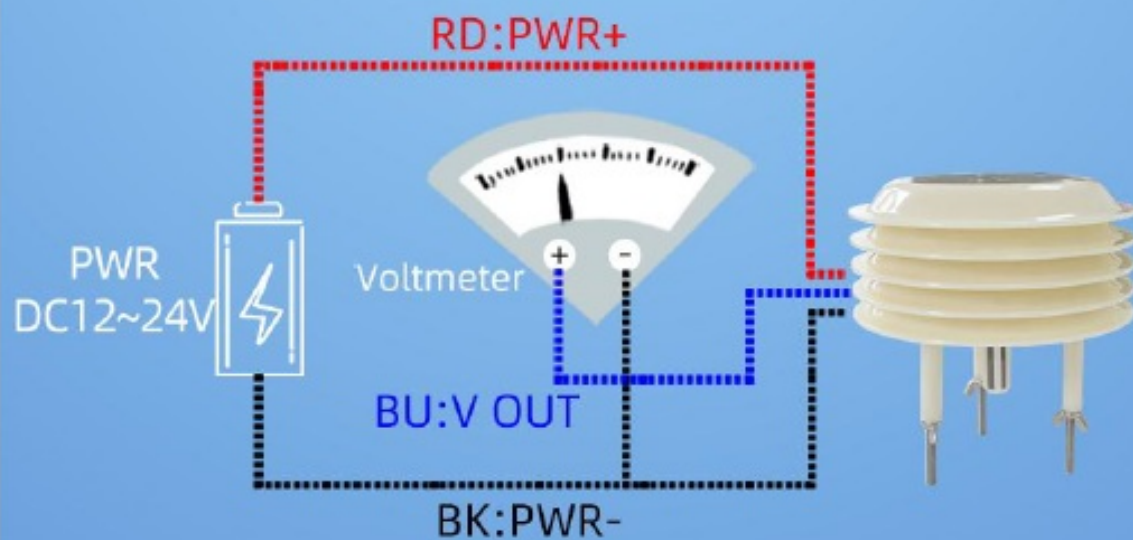
■ RS485 Wiring



■ 4~20mA Wiring



■ 0~5V/10V Wiring



How to use it?



Communication Protocol


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Documents / Resources

	<p>SONBUS SM6361B Temperature Sensor [pdf] User Manual SM6361B Temperature Sensor, SM6361B, Temperature Sensor</p>
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References

- [Home-ä Šæµ.æceåšă@žă šæce%œ™ă...-ă](#)
- [Home-SONBEST -SONBUS.COM| THE SENSOR COMPANY](#)
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