

SM6394B

User Manual

File Version: V22.2.8



SM6394B using the standard RS485 bus MODBUS-RTU protocol, easy access to PLC, DCS and other instruments or systems for monitoring temperature, humidity, illuminance, carbon dioxide state quantities. The internal use of high-precision sensing core and related devices to ensure high reliability and

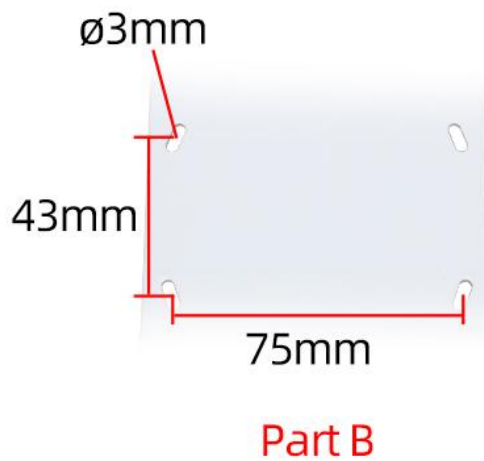
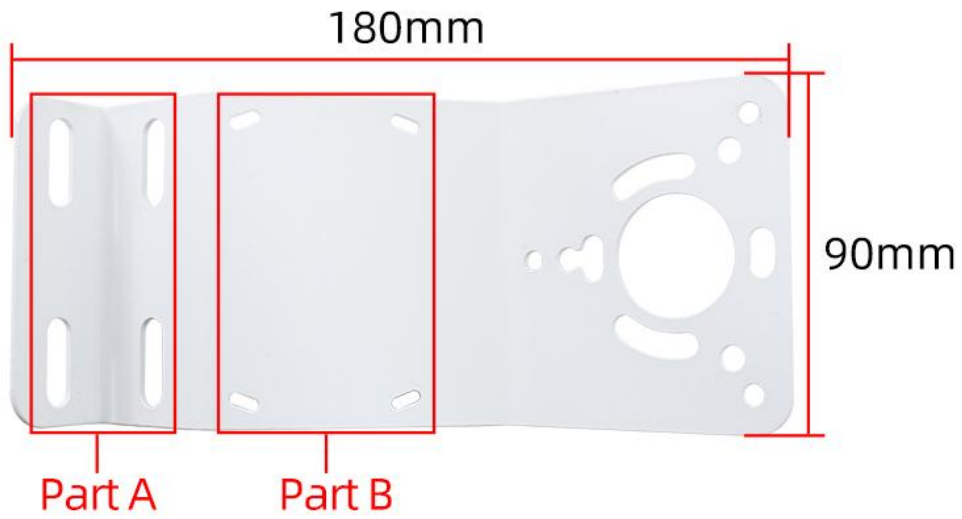
excellent long-term stability, can be customized

RS232, RS485, CAN, 4-20mA, DC0~5V\10V, ZIGBEE, Lora, WIFI, GPRS and other output methods.

Technical Parameters



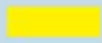

Technical parameter	Parameter value
Brand	SONBEST
Temperature measuring range	-50°C~120°C
Temperature measuring accuracy	±0.5°C @25°C
Humidity measuring range	0~100%RH
Humidity accuracy	±3%RH @25°C
Illuminance measuring range	0~65535Lux
Illuminance allow deviation	±7%
Repeatability test	±5%
Illuminance detection chip	Import digital
Wavelength range	380nm~730nm
CO2 range	0~5000ppm
CO2 accuracy	±100ppm
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

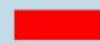




How to wiring?




RS485 Wiring

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

4~20mA Wiring

	RD	PWR+
	BK	PWR-
	BU	I OUT

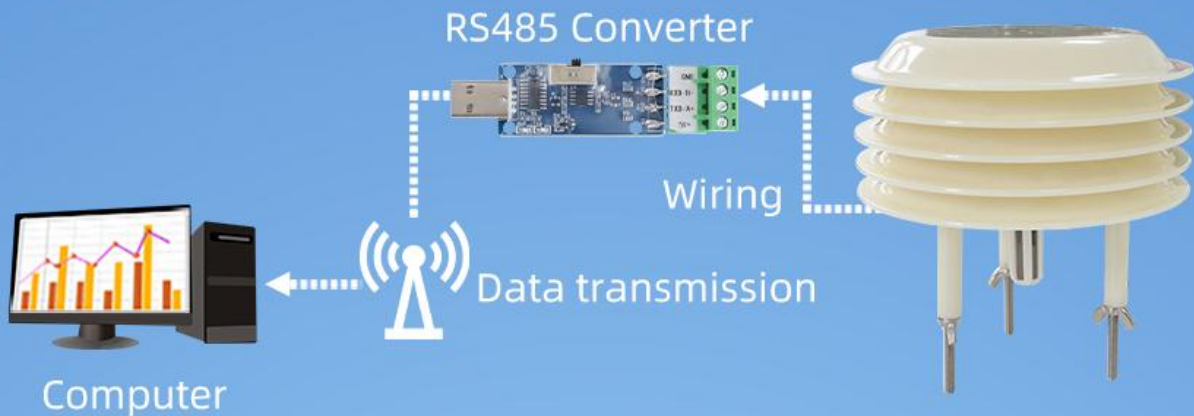
0~5V/10V Wiring

	RD	PWR+
	BK	PWR-
	BU	V OUT

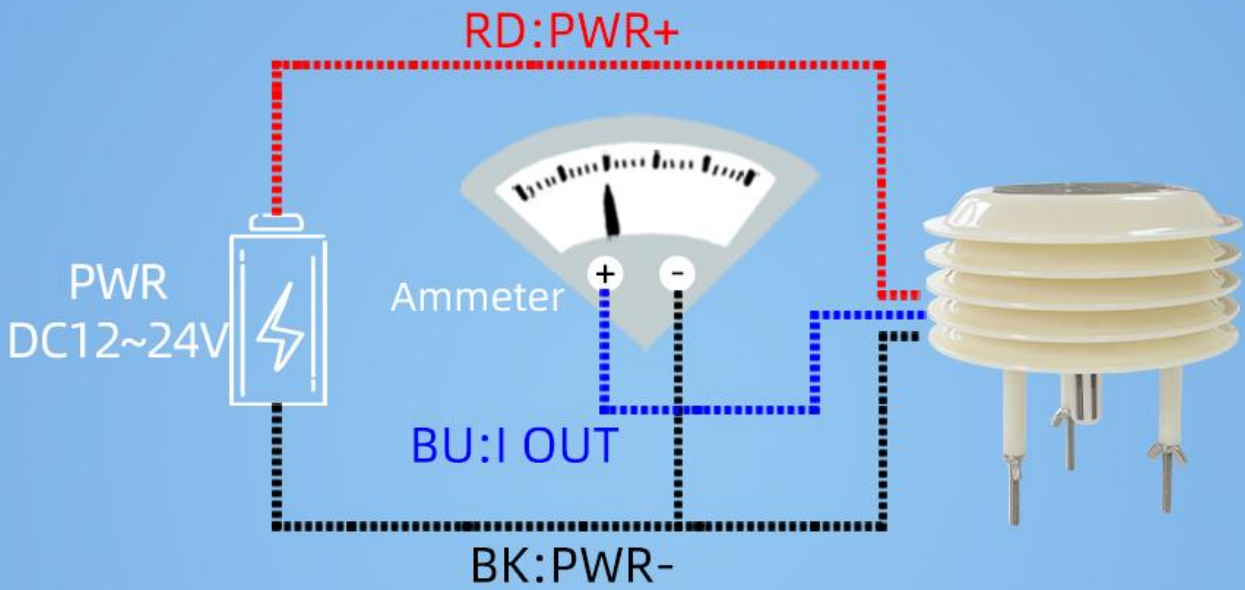
※Note: When wiring, connect the positive and negative poles of the power supply first, then connect the signal wire

Application solution

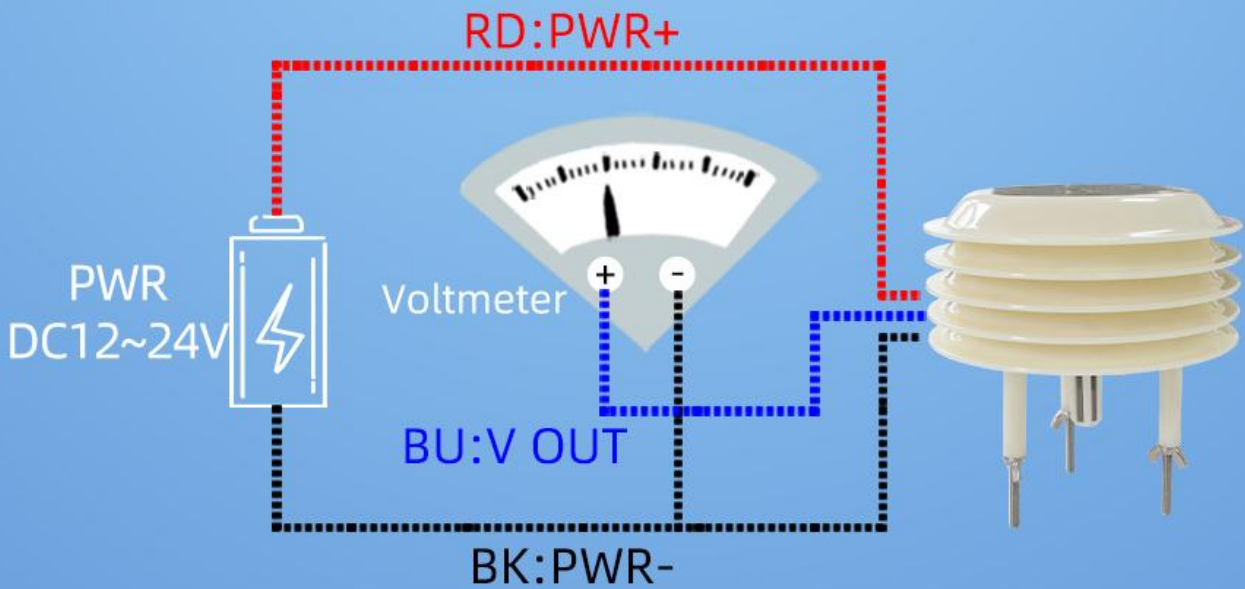
■ RS485 Wiring



■ 4~20mA Wiring



■ 0~5V/10V Wiring



How to use?



Communication Protocol Disclaimer

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