

SM6389B

Small weather station shutters multi-function sens

User Manual

File Version: V23.7.3

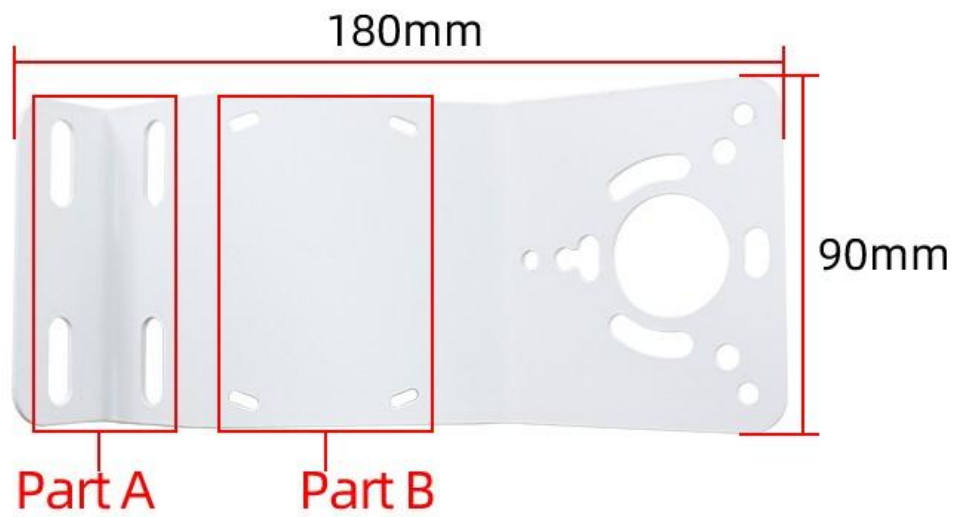


SM6389B using the standard RS485 bus MODBUS-RTU protocol, easy access to PLC, DCS and other instruments or systems for monitoring temperature, humidity, Illuminance state quantities. The internal use of high-precision sensing core and related devices to ensure high reliability and excellent long-term stability, can be customized RS232, RS485, CAN, 4-20mA, DC0~5V\10V, ZIGBEE, Lora, WIFI, GPRS and other output methods.

Technical Parameters

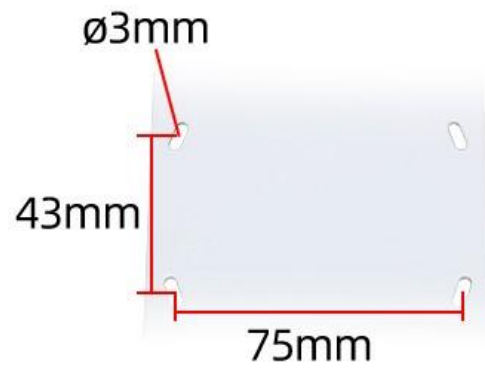
Technical parameter	Parameter value
Brand	SONBEST
Temperature measuring range	-30℃~80℃
Temperature measuring accuracy	±0.5℃ @25℃
Illuminance measuring range	0~65535Lux
Illuminance allow deviation	±7%
Repeatability test	±5%
Illuminance detection chip	Import digital
Wavelength range	380nm~730nm
Communication Interface	RS485
Default baud rate	9600 8 n 1
Power	DC9~24V 1A
Running temperature	-30~85℃
Working humidity	5%RH~90%RH

Product Size






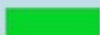


Part A




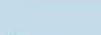

Part B

Wiring mode




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

Wiring instructions

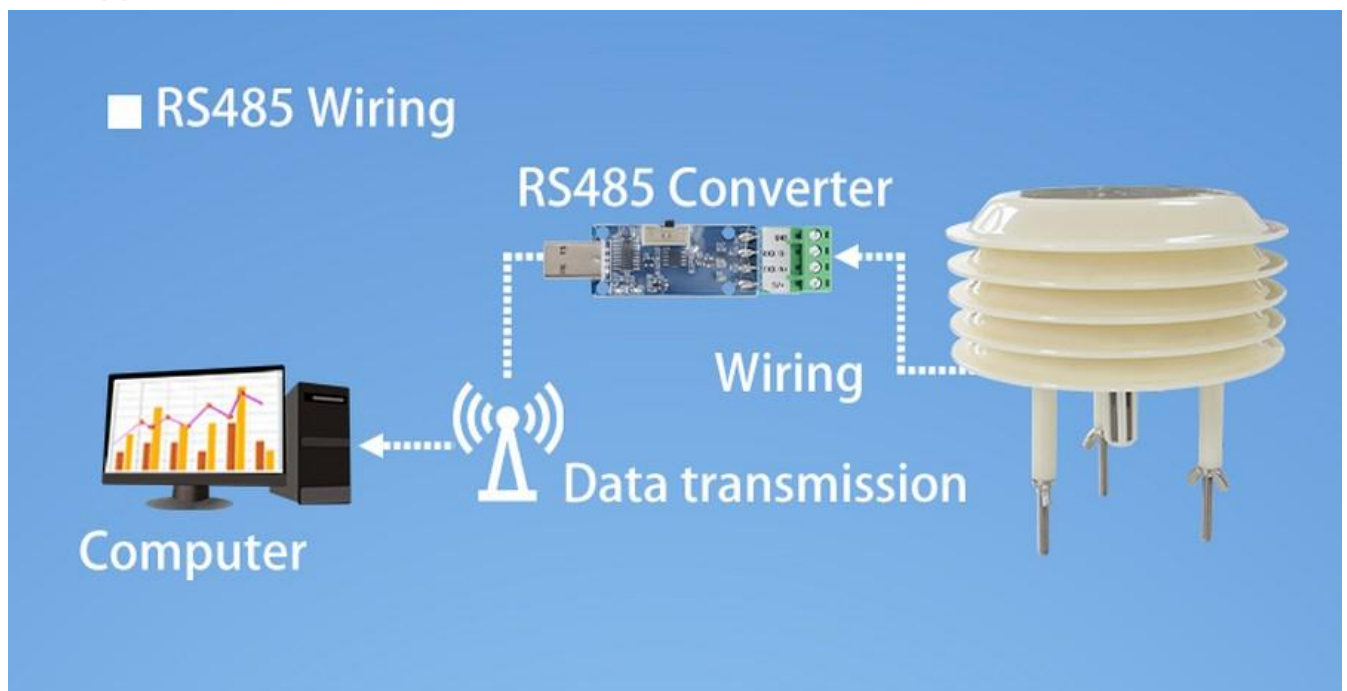
In the case of broken wires, wire the wires as shown in the figure. If the product itself has no leads, the core color is for reference.

How to use?

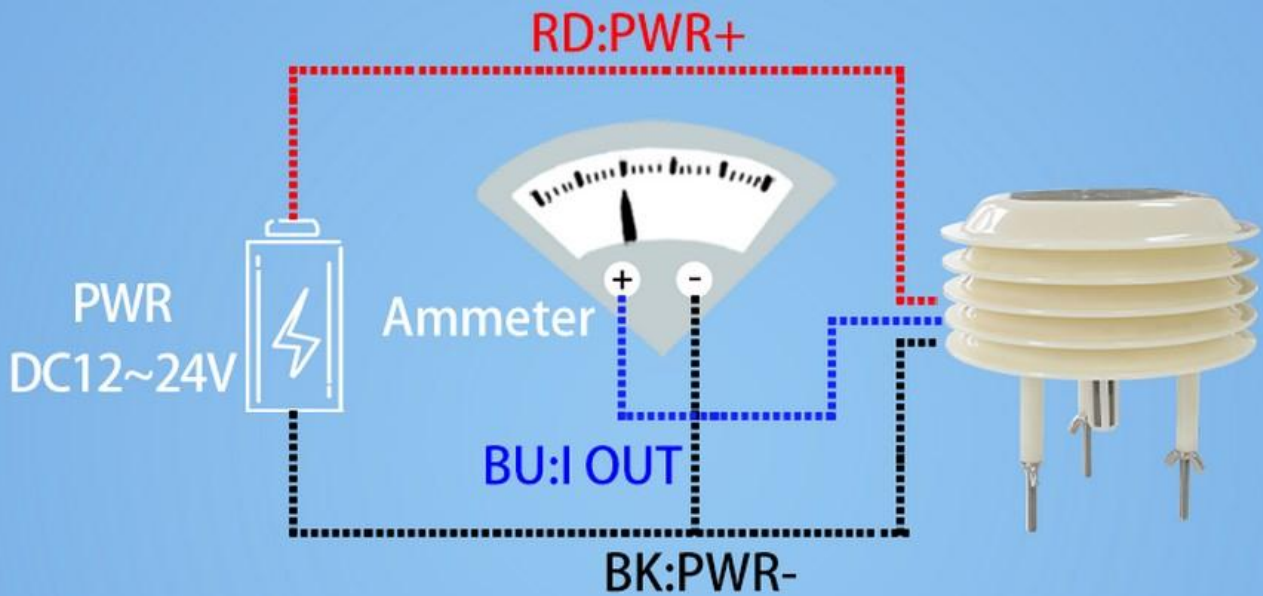
Louver box weather station sensor can be widely used in school teaching, park environment, construction site factory, grassland pasture, garden farmland and other outdoor scenes



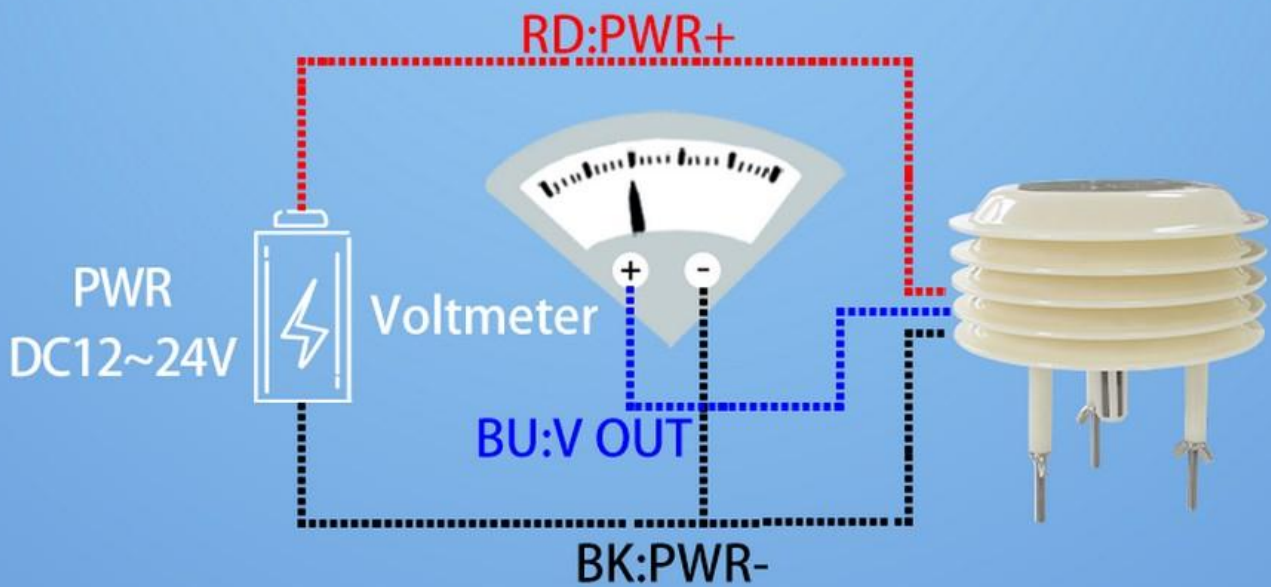
Application solution



■ 4~20mA Wiring



■ 0~5V/10V Wiring



Product List



Shutter box

(select delivery according to parameters)



Warm reminder card



Small louver box iron bracket



Certificate of conformity

Communication Protocol Disclaimer

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