



SONBEST SM2160M 4-20M Current Interface Protection Type Small Range Illuminance Sensor User Manual

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SONBEST SM2160M 4-20M Current Interface Protection Type Small Range Illuminance Sensor

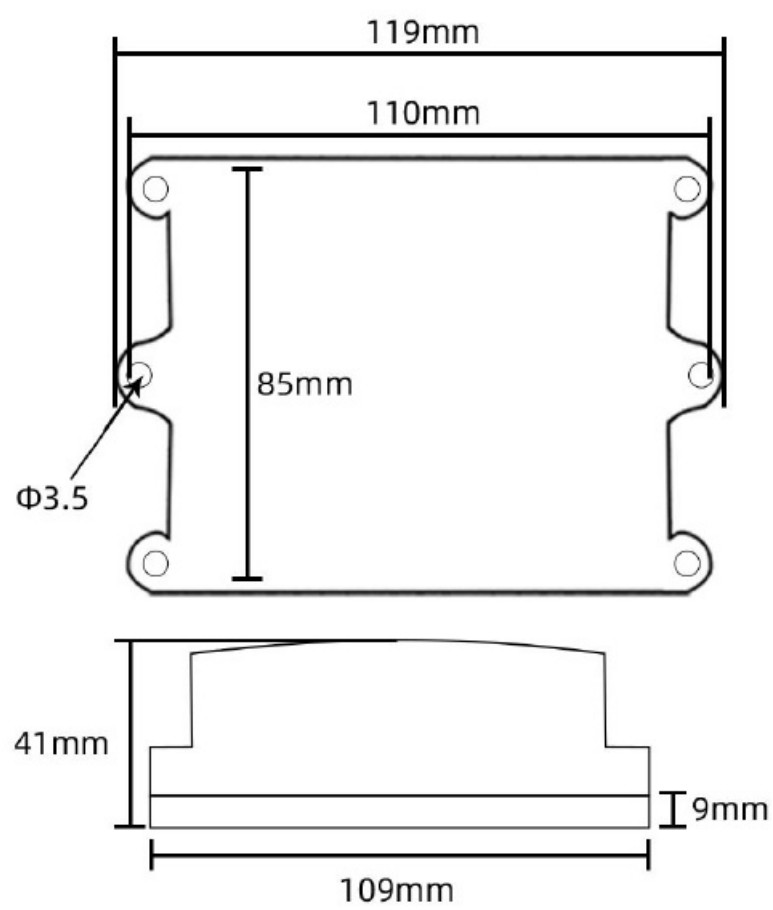


SM2160M using the standard DC4-20mA current output signal,easy access to PLC DCS and other instruments or systems for monitoring illuminance state quantities.The internal use of high-precision sensing core and related devices to ensure high reliability and excellent long-term stability can be customized RS232, RS485,CAN,4-20mA, DC0~5V\10V, ZIGBEE,Lora, WIFI, GPRS and other output methods.

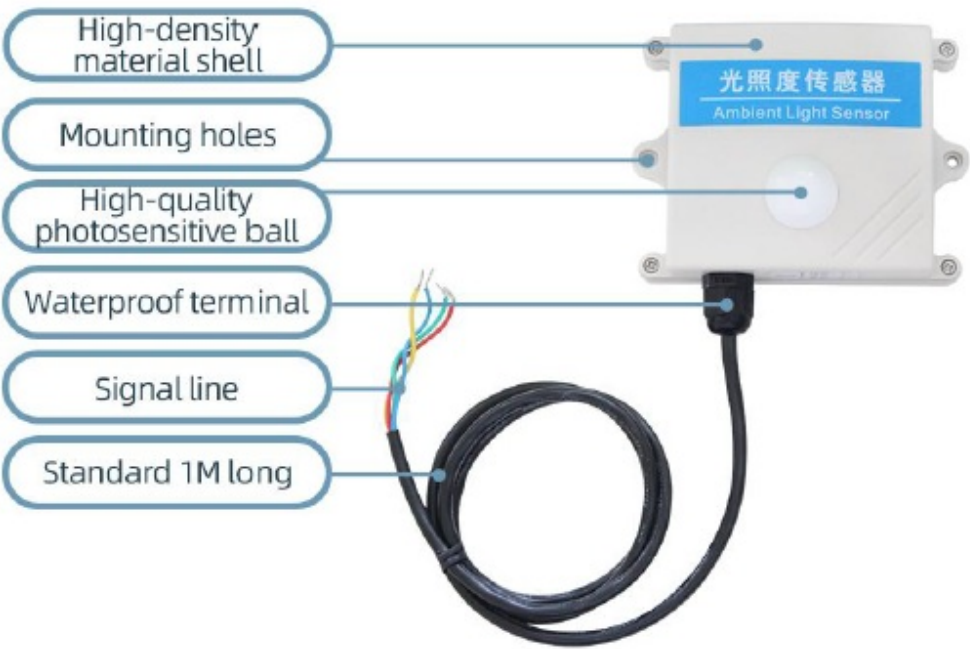
Technical Parameters

Technical parameter	Parameter value
Brand	SONBEST
Illuminance measuring range	0~65535Lux
Illuminance allow deviation	±7%
Repeatability test	±5%
Illuminance detection chip	Import digital
Wavelength range	380nm~730nm
Communication Interface	DC4~20mA
Power	DC12~24V 1A
Running temperature	-40~80℃
Working humidity	5%RH~90%RH

Product Size



How to wiring?



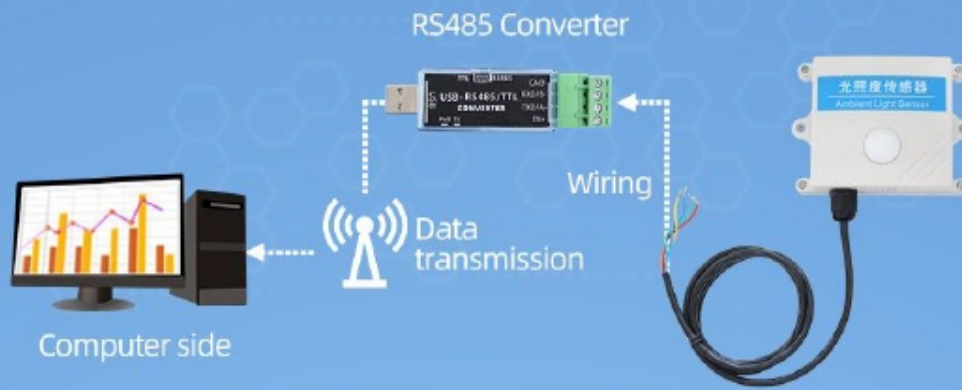
RS485 Wiring			mA Two-wire wiring		
	RD	PWR+		RD	Ammeter-
	GN	PWR-		BK	PWR-
	YE	RS485 A+			
	BU	RS485 B-			
mA Three-wire wiring			Voltage type wiring		
	RD	PWR+		RD	PWR+
	BK	PWR-		BK	PWR-
	BU	I OUT		BU	V OUT

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

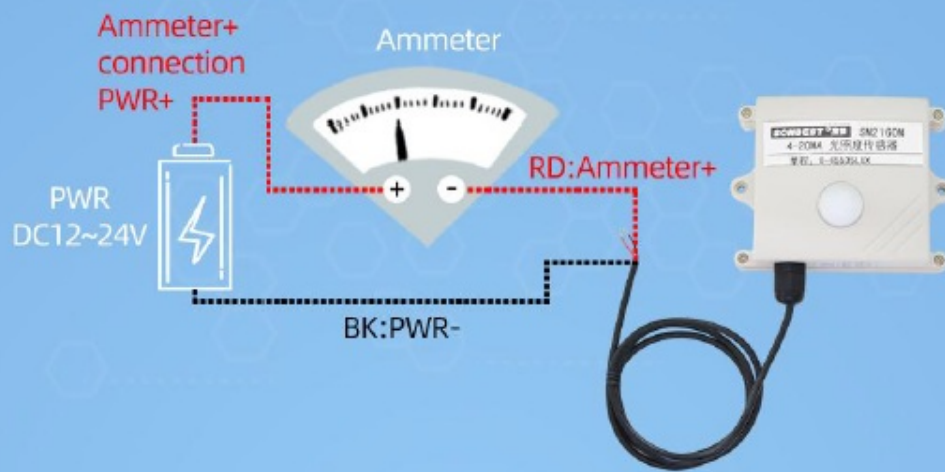
Application solution

Application solution

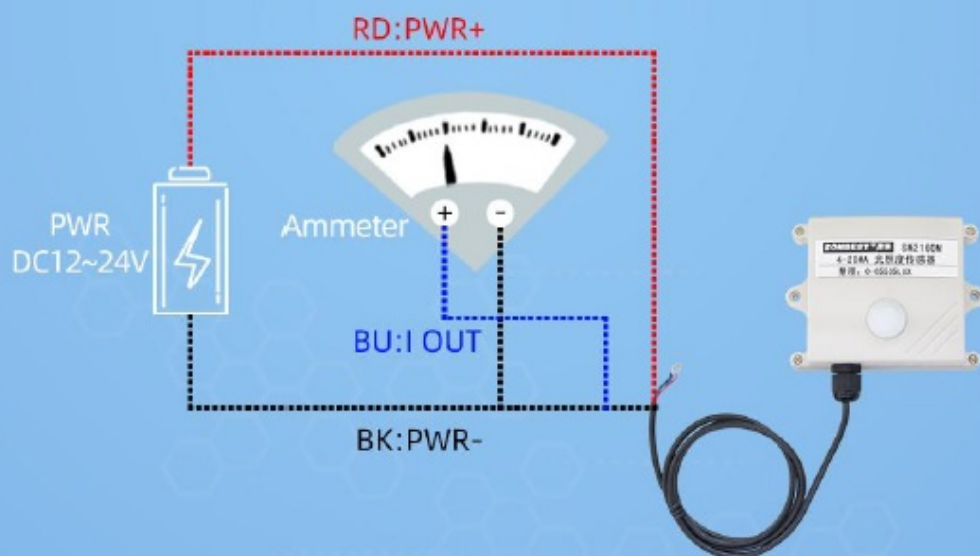
■ RS485 Wiring



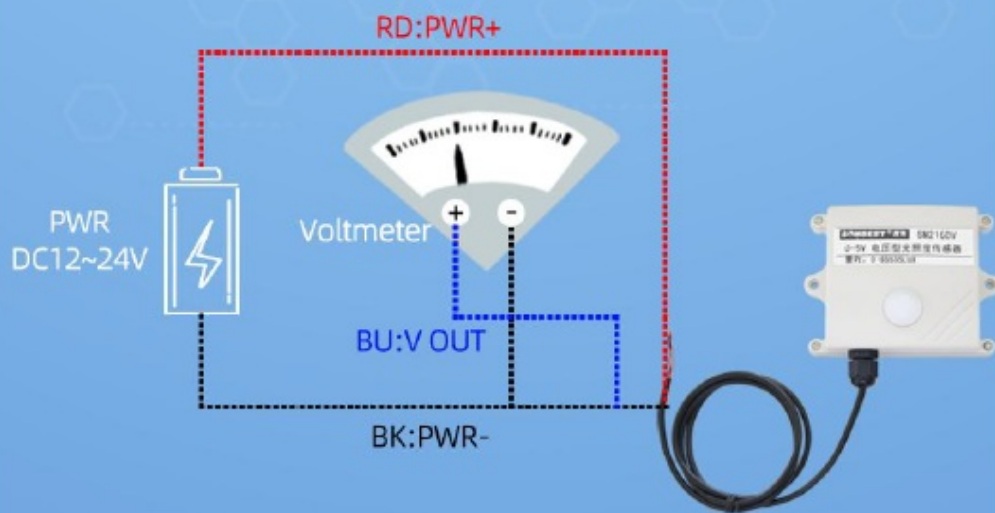
■ Current two-wire system wiring



■ Current three-wire system wiring



■ Voltage wiring





Greenhouse

Cooperate with sensors to effectively manage, create a good lighting environment for crops, and promote better photosynthesis

Flower planting

Flower farming needs light management, according to the plant's light needs to cooperate with the sensor to control the light intensity



Building

The equipment used to measure the level of light intensity requires strict illumination requirements in certain specific environments

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Documents / Resources

	SONBEST SM2160M 4-20M Current Interface Protection Type Small Range Illuminance Sensor [pdf] User Manual SM2160M, 4-20M Current Interface Protection Type Small Range Illuminance Sensor
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References

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