

SD2160V

0-5V voltage type LED display illuminance sensor

User Manual

File Version: V21.12.16



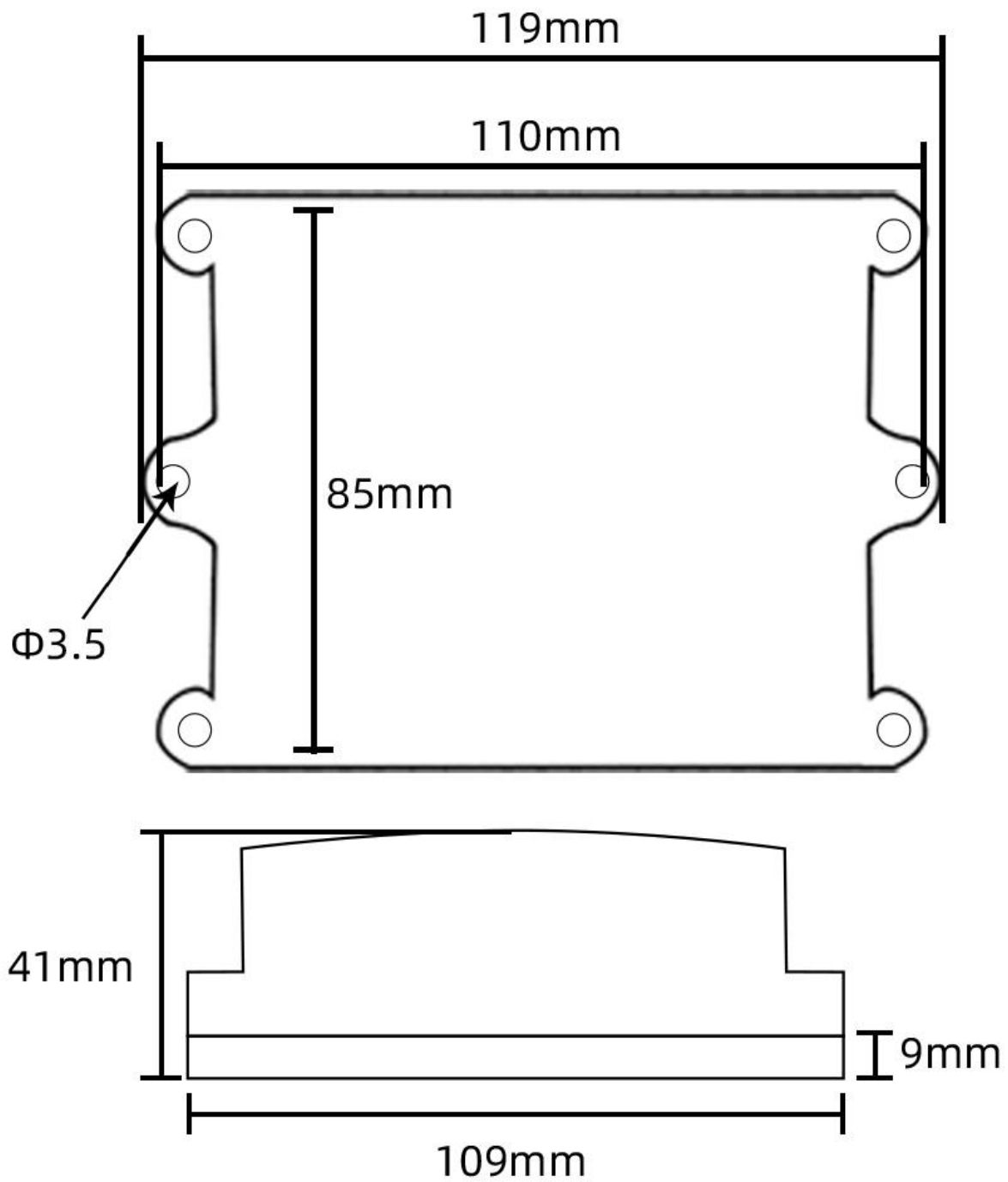
SD2160V using the standard DC0 ~ 5V voltage output signal,easy access to PLC , DCS and other instruments or systems for monitoring illuminance state quantities.The internal use of high -precision sensing core and related devices to ensure high reliability and excellent long-term stability,can be customized RS232,RS485,CAN,4-20mA,DC0~5V\10V,ZIGBEE,Lora,WIFI,GPRS and other output methods.

Technical Parameters

Technical parameter	Parameter value
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Brand	SONBEST
Illuminance measuring range	0~65535Lux
Illuminance allow deviation	± 7%
Repeatability test	± 5%
Illuminance detection chip	Import digital
Wavelength range	380nm~730nm
Output Interface	DC0~5V
Power	DC12~24V 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-

mA Wiring

	RD	PWR+
	BK	PWR-
	BU	Current Out

V Wiring

	RD	PWR+
	BK	PWR-
	BU	Voltage Out

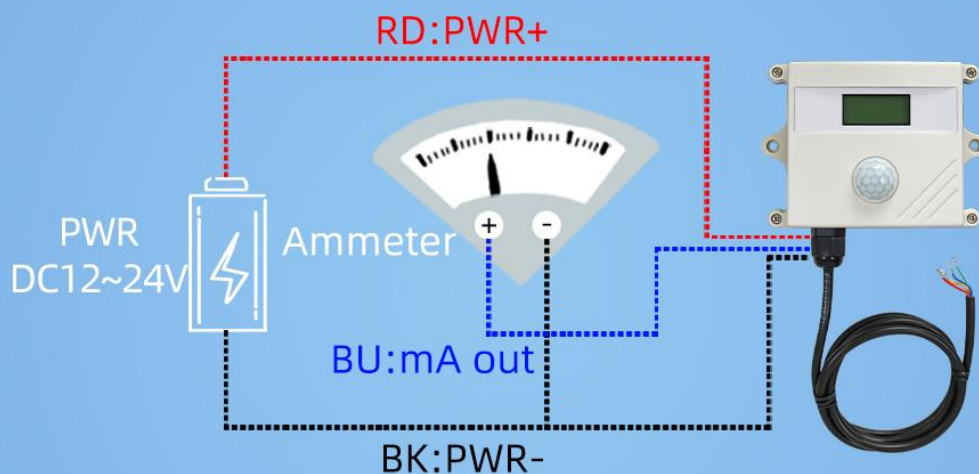
※Note: When wiring, connect the positive and negative poles of the power supply first, and then connect the signal wire

Application solution

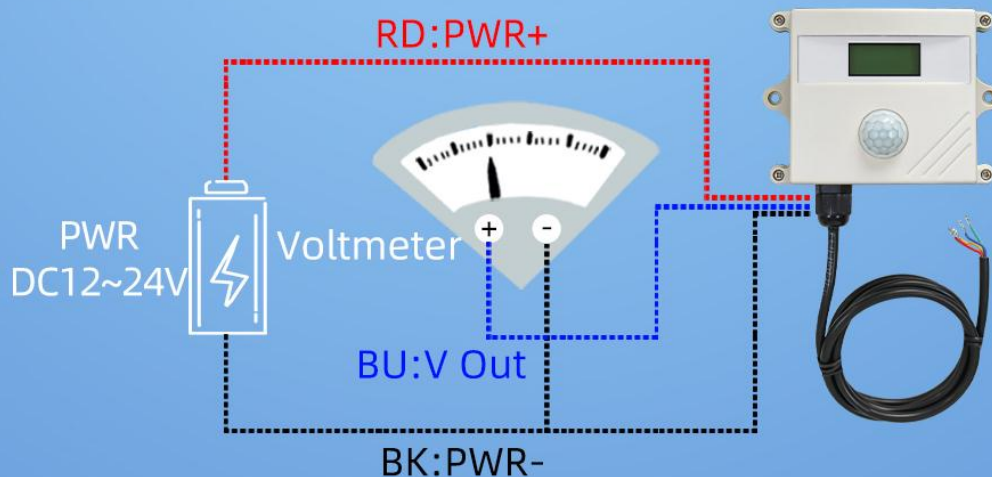
■ RS485 Wiring method



■ Current Wiring method



■ Voltage wiring method



How to use?



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