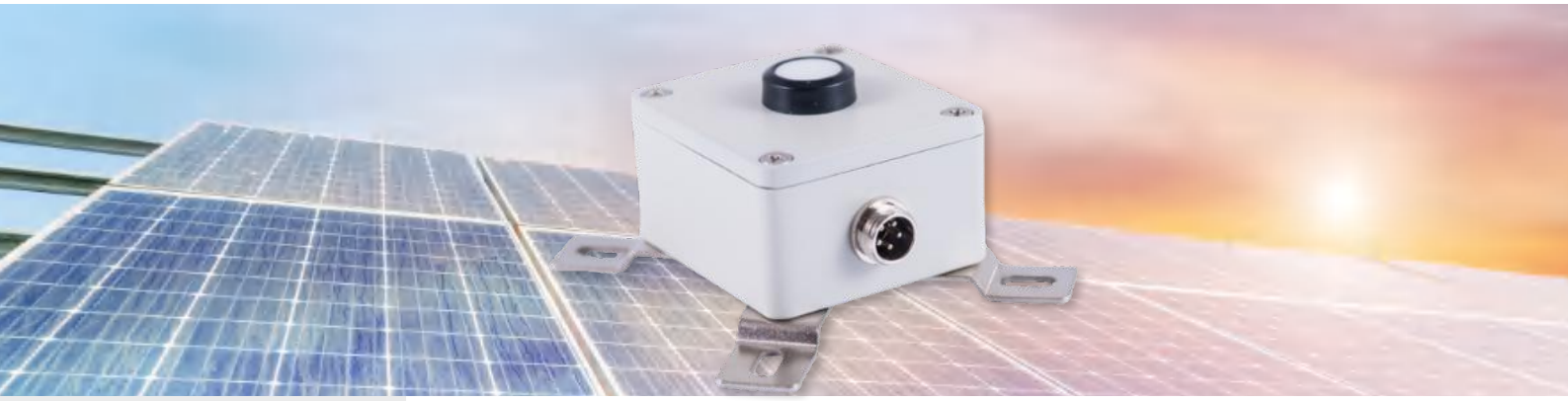
PRODUCT OVERVIEW

Solar Radiation/PAR/UV Sensor

Model ES-S228R



Main features

- The housing is made of aluminum alloy die-casting
- IP65 dustproof and waterproof design suitable for outdoor applications
- High accuracy, wide range, good linearity, high stability
- Small size, easy installation, current limiting function
- Good linearity, long transmission distance, strong anti-interference ability

Compliance

The electromagnetic compatibility in accordance with the following applicable directives:
LVD 2014/35/EU Low Voltage
EMC 2014/30/EU Electromagnetic Compatibility
EMC 2014/35/EU Electromagnetic Compatibility

Introduction

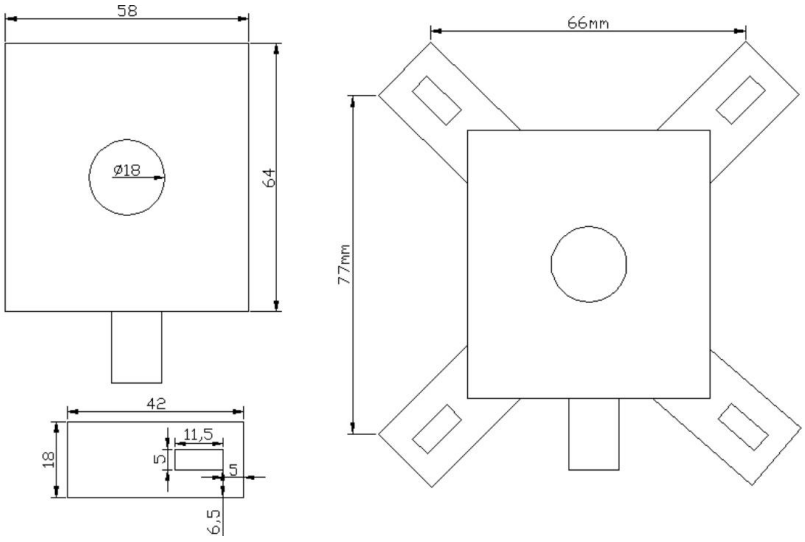
ES-S228R illuminance/radiation/PAR/UV sensor is an instrument for measuring illuminance/radiation/PAR/UV developed and produced by our company. It uses advanced circuit module technology to develop the transmitter and aluminum housing to measure ambient illuminance/radiation/PAR/UV. The output signals include current signal, RS485, etc. This product is easy to wire and has good waterproof performance.

Application

They are widely used in research in meteorology, agriculture, air pollution and other fields.

Dimension

Unit:mm



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Specification

FUNCTION	LIGHT	RADIATION	PAR	UV
Spectral range	-	0～2000W/m2	400~700nm	UVAB 28-~400nm
Measuring range	-0-2000Lux, 0-20KLux, 0-200KLux	400~1100nm	0~4000u.mol.m2.s	0~70W/M-2
Working temperature	-30°C~60°C	-30°C~60°C	-30°C~60°C	-30°C~60°C
Cosine correction	≤10%（up to 80C)	≤10%（up to 80°C)	Up to 80 degree angle of incidence	≤4%（sun height 30°C)
Sensitivity	-±3% or 1%F.S	200~500uv.w-1.m2	7～50uv/u.mol.m2.s	-
Working voltage	DC12V/DC24V			
Signal output	4-20mA, RS485 Modbus			
Working current	DC12V <35ma (voltage; current); DC12V <20ma (485)			
Cable length	3meter default			
IP	IP65 default			

Order guide

ES-S228R	illuminance/radiation/PAR/UV		
	CODE	Functions	
	A	illuminance	
	B	Solar radiation	
	C	PAR	
	D	UV	
		CODE	Signal output
		1	4-20mA
		2	RS485
ES-S228R	A	1	Order example

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