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Illuminance Sensor
BS210-01

Precision Illuminance Monitoring in Any Environment



ABS Housing Without Display



ABS Housing With Display



Metal (Aluminium Alloy) Housing Without Display

Overview

BS210-01 Illuminance Sensor features high sensitivity and can accurately detect weak light levels. It offers a wide measurement range, high accuracy, and reliable waterproof performance, ensuring stable operation in various environmental conditions.

Designed for easy installation and convenient operation, the sensor is suitable for a wide range of light-monitoring applications. It is particularly well suited for agricultural greenhouses, urban lighting, outdoor lighting systems, and other environments requiring accurate illuminance measurement.

Features

- ✓ High Sensitivity
- ✓ Applicable to Various Harsh Environments
- ✓ High Precision, Wide Measuring Range
- ✓ Compact Size
- ✓ Easy Installation

Applications

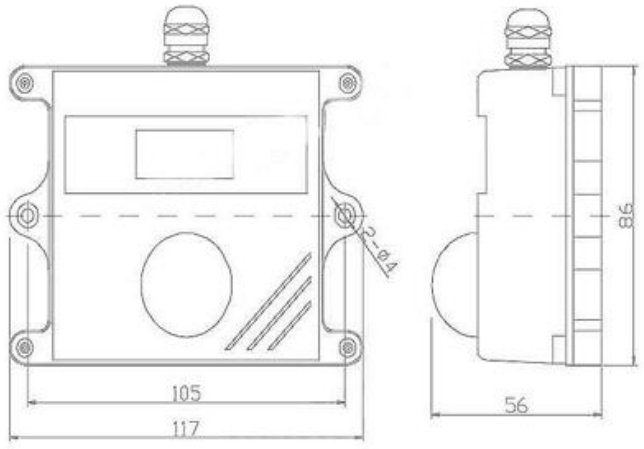
- ✓ Agro-Meteorological
- ✓ Intelligent Buildings
- ✓ Greenhouse Control
- ✓ Weather Stations
- ✓ Crop Monitoring

Technical Specifications

Item	Specifications	
Range	0 ~ 2000lux, 0 ~ 20klux, 0 ~ 200klux	
Spectral Range	380 ~ 780nm	
Supply	5VDC, 12 ~ 24VDC	
Output	4 ~ 20mA, 0 ~ 2V, 0 ~ 5V	RS-485
Accuracy	<±5%FS	<±4%FS
Response Time	1s	
Temperature Effect	±0.2%/°C	
Repeatability	<1%FS	
Operating Temperature	-40°C ~ 85°C	
Ingress Protection	IP66	
Shell Material	ABS or Metal	

Dimensions

Unit:mm



ABS Housing



Metal Housing

Parameter Selection Table

Remark	Series	Type	Supply	Range	Output	Cable Length	
BS							
	210-01						
		A					ABS Housing
		B					Metal Housing
			A				5V
			B				12 ~ 24V
			X				Other
				A			0 ~ 2000lux
				B			0 ~ 20klux
				C			0 ~ 200klux
				X			Other
					A		4 ~ 20mA
					B		0 ~ 5V
					C		0 ~ 10V
					D		RS-485
					X		Other
						2000	Units:mm (typ)
						3000	Units:mm
						...	Units: mm

Example: BS210-01ABBA2000 ABS Housing, Supply: 12 ~ 24V, Range: 0 ~ 20klux, Output: 4 ~ 20mA, Cable Length: 2m.