

OPTICAL RAIN AND LIGHT SENSOR

MAIN FEATURES

- Small size, light weight, simple installation.
- Low power design, save energy
- High reliability, can work normally in high temperature and high humidity environment
- Easy to maintain design, not easy to be blocked by fallen leaves
- Optical measurement, accurate measurement
- RS485 signal output, long communication distance, stable communication
- High-precision illuminance detection and measurement range of 0-200,000 Lux



OVERVIEW

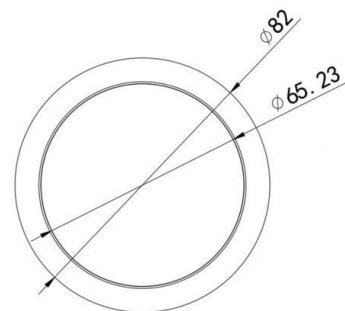
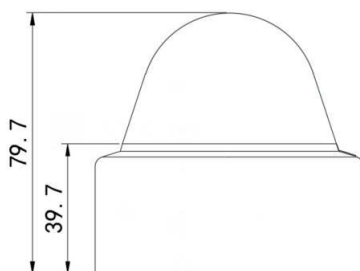
This product is an optical rainfall and light sensor. It is a product that measures rainfall. It uses the principle of optical sensing to measure rainfall. It has multiple built-in optical probes. The rainfall detection is reliable. It is different from the traditional mechanical rain sensor. The optical rain sensor has a smaller volume. More sensitive, reliable, smarter and easier to maintain.

It can be widely used in industries and fields such as smart irrigation, ship navigation, mobile weather stations, automatic doors and windows, and geological disasters.

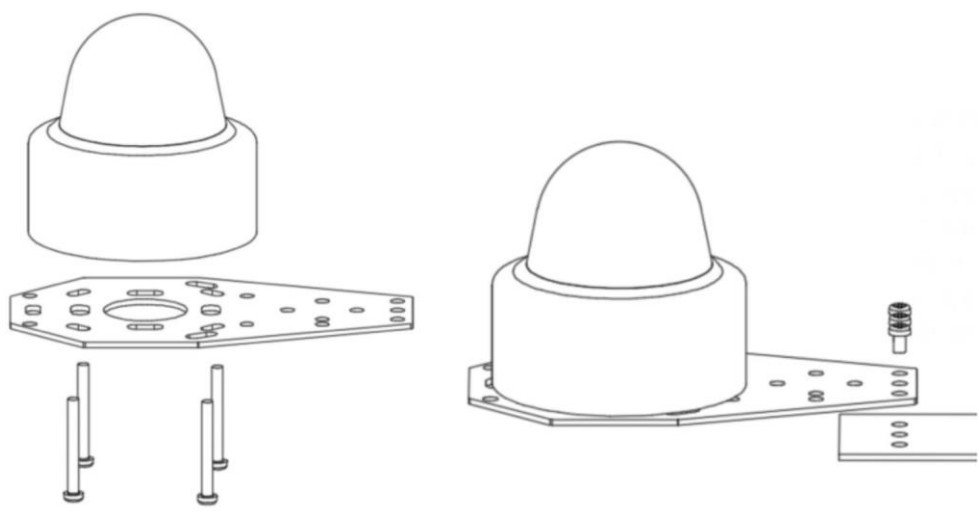
SPECIFICATION

Sense of rain diameter	6CM	
Supply voltage	9~30V DC	
Power consumption	Less than 0.24W (12V DC, current less than 20mA)	
Resolution	Rainfall	Standard 0.1mm
	Lighting	1Lux
Accuracy	Rainfall	±5%
	Lighting	±7%(25°C)
Greater instantaneous rainfall	24mm/min	
Output mode	RS485 output, Dry contact pulse output	
Working temperature	-40~60°C	
Working humidity	0~99%RH (non-condensing)	
Working pressure range	standard atmospheric pressure ±10%	
Long-term stability	Light ≤5%/y	

DIMENSION



INSTALLATION



ORDER CODE

Code:	A	-	B	-	C
SEM226O	B	-	A	-	R

Model	Code A
Optical rain gauge	A
Optical rain and light sensor	B
Installation Bracket	Code B
Without	A
With	B

Signal output	Code C
485 output (standard Modbus)	R
Pulse output	P