

SEM226O Optical Rain & 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

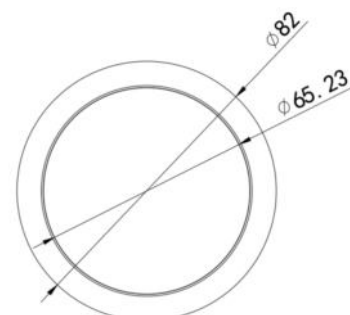
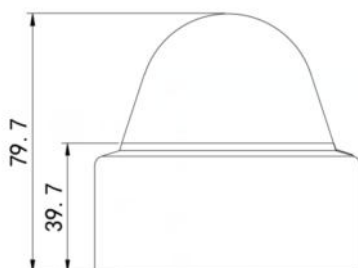

OVERVIEW

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.

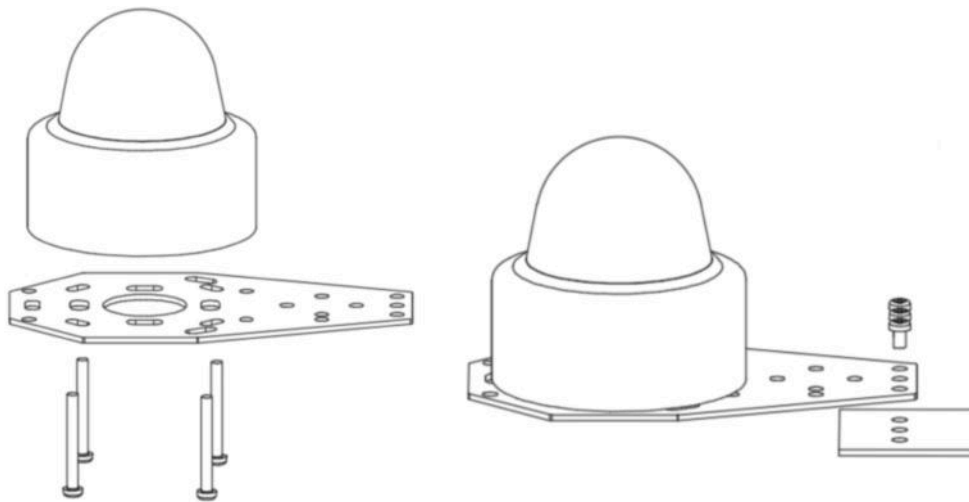
It can be widely used in industries and fields such as smart irrigation, ship navigation, mobile weather stations, automatic doors and windows, and geological disasters.

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 |