

# Rain and snow sensor

Model ES-R226



## Introduction

ES-R226 rain and snow sensor is a qualitative measuring device to measure whether it rains or snowfalls outdoors or in nature. It can be widely used in the environment, greenhouse, breeding, construction, buildings, such as rain and snow have no qualitative measurement.

## Application

Rain and snow sensors are widely used in meteorological monitoring, traffic management, agricultural production, building automation control, etc.

- Meteorological monitoring

In the meteorological field, rain and snow sensors are one of the important monitoring equipment. It can record the start and end time, intensity and other information of rain and snow in real time and accurately

- Traffic management

In the transportation field, rain and snow sensors are installed on important transportation facilities such as roads and bridges to monitor the rain and snow conditions on the road in real time.

- Agricultural production

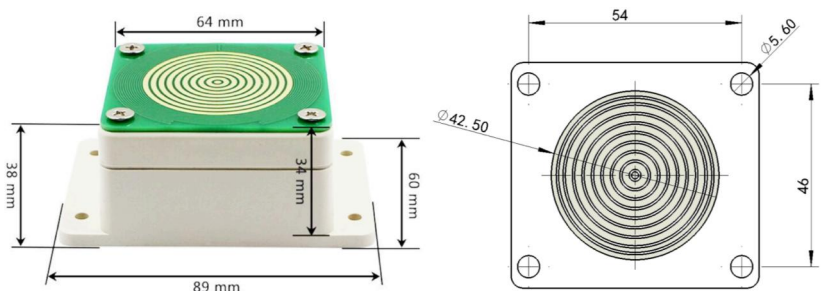
In the agricultural field, rain and snow sensors help farmers arrange irrigation, fertilization and other agricultural activities reasonably.

- Building automation control

In the construction field, rain and snow sensors are used in the automation control system of buildings.

## Dimension

Unit:mm



## Main features

- Rain and snow measurements
- The unique AC measuring technology prevents the oxidation reaction of the induction disc
- IP68 protection for outdoors
- A variety of RS485 or switching output
- Optional automatic heating function prevents icing and condensation in snowy conditions with long-term temperatures below 0°C and high humidity.
- When heating, the temperature controlled within 40 C (default) to prevent peroxidation caused by dry burning
- Alarm, return delay can be set to avoid frequent alarm on site.

## Specification

Supply voltage	10~30V DC
Signal output	485, Relay Output
Maximum power consumption	Normal power consumption: 0.4W Heating power consumption: 2.4W
Storage Temperature	-40°C~80°C
Automatic heating function (optional)	When heating, the temperature is strictly controlled within 40 C (default), so as to prevent peroxidation caused by dry burning and prolong service life.
Heating Start Ambient Temperature	< 15°C(Default)
Temperature of probe operation	-40°C~+120°C, default -40°C~+80°C
Maximum Heating Temperature	40°C(Default)
Output Relay with Load Capacity	250VAC 1A/30VDC 1A
Transmitter circuit operating temperature	-20°C~+60°C, 0%RH~80%RH
Response time	< 0.5 second
IP	IP68

## Order guide

ES-R226	Rain and snow Sensor		
	CODE	Heating	
	W	Automatic heating	
	N	No heating function	
		CODE	Signal output
		1	Relay (normally open point) output
		2	485 (Modbus-RTU protocol) output
		3	485/relay (normally open point) output
ES-R226	W	2	Order example