

Radar rainfall detector

Model ES-R226R



Main features

- 24GHz Doppler radar technology
- Fast measurement of precipitation intensity and distinguishes between Rain, Snow, Hail, No precipitation.
- RS232, RS485 or SDI-12 optional
- Light weight robust and no moving parts
- Free of maintenance and calibration

Compliance

CE certification of EU
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

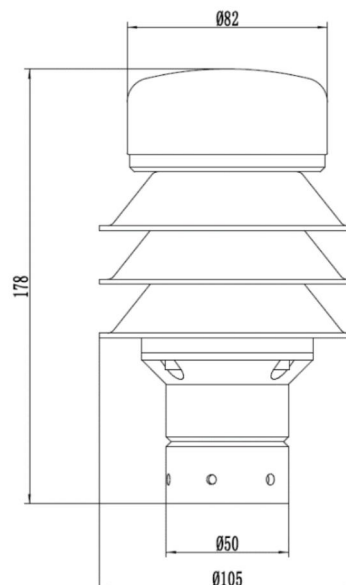
ES-R226R is a sensor which uses advanced flat radar module and uses radar wave technology to detect rainfall. It can distinguish the types of rain, snow and hail and the intensity of rainfall. ES-R226R radar rain detector is more sensitive and faster than the traditional mechanical rain detection method to detect the start and end time of rain, and it does not need to worry about the influence of leaves and other objects covering the detector surface on rain detection, heating device to prevent icing. There are no moving parts in the ES-R226R detector, which is almost maintenance free, small in size and low in energy consumption.

Application

Rain sensors are widely used in many fields, including meteorological monitoring, water conservancy projects, environmental protection and urban management, traffic management, agricultural production, garden management, aviation, etc.

Dimension

Unit:mm



Specification

Type of precipitation	Rain,Snow, Hail, No precipitation
Measuring range	Rainfall: 0-200mm/hour Snowfall (optional): sleet, scattered light snow, light snow, moderate snow, heavy snow
Accuracy	±10%
Measuring drop size range	0.5-5.0mm
Resolution	0.1mm
Sample rate	1s
Communication interface	RS485, RS232, SDI-12
Communication protocol	ModBus, NMEA-0183,ASCII
Power Supply	7-30VDC
Power consumption	Less then 95mA@12V
Working temperature	-40°C ~ +70°C
Working humidity	0-100%
Outline size	Ø105 * 178mm
Material	ABS
Weight	0.45kg
Protect grade	IP65

Order guide

ES-R226R	Radar Rainfall Detector		
	CODE	Functions	
	A	Rainfall	
	B	Rainfall and snowfall	
		CODE	Signal output
		1	RS485
		2	RS232
		3	SDI-12
ES-R226R	N	1	Order example