Product Name : Automatic Dust Sensor

Product Code : ASS

Overview

Automatic Dust Sensors can be mounted independently of the panel plane thanks to their adjustable angle design. If a cell is detected as dirty, it is cleaned with pressurized washing at a preset frequency, allowing the determination of panel soiling levels.



Application Areas

- Solar Power Plants
- Wind Power Plants
- Meteorological Applications
- Agricultural and Greenhouse
- Industrial Applications
- Maritime and Ports
- Forest Regions
- Highway Applications

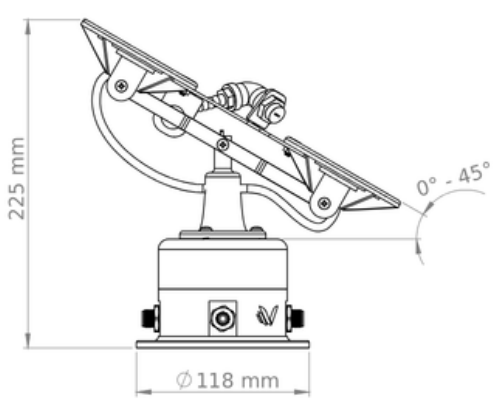
Electrical Specifications	
Measurement Range	: 0 ~ 100 %
Operating Temperature	: –35 ~ 80°C
Responsive Time	: < 1 sec
Uncertainty	: ≤ 2%
Drift	: < 0.25% / year
Field of View	: 175°
Tilt-Azimuthal Angle	: 0°~0°
Cell Head Connection Stick	: 0°- 45° (Single Direction)
Cleaning Type	: Automatic
Connection Output	: Modbus RTU RS-485
Supply Voltage	: 12 V DC
Current Consumption	: 2 A @12 VDC

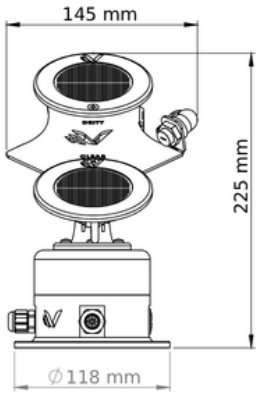
Mechanical Specifications	
Dimensions	: Ø118 x 255 x 250 x 135 mm
Housing	: Aluminum, Plastic
Protection	: IP 65

Cable and Connection Specifications		
Cable Length	: 3 m	
Connector Type	: IP 67	
White	: 12 V DC	○
Brown	: GND (-)	
Yellow	: Data (+)	
Green	: Data (-)	

Additional Parts
Water Tank
Pressure Pump
Control Box
Mounting Brackets

Technical Specifications





© 2024 Vsias Mühendislik Endüstri A.Ş