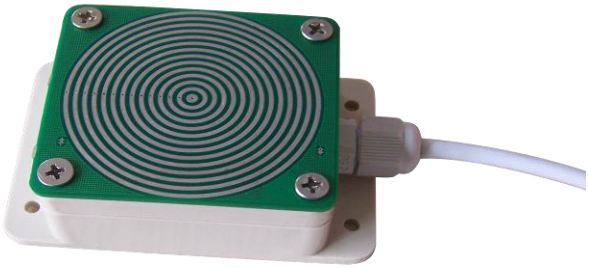


Product introduction

The rain and snow sensor adopts surface grid-shaped electrodes to sense the external rain and snow conditions, and uses an imported intelligent microprocessor inside, which is sensitive in response and high in measurement accuracy. The built-in automatic heating device can eliminate the interference of rain and snow and ensure the normal operation of the system. Output a group of relay normally open/normally closed switch signals, which is convenient for installation and use. This product can be widely used in meteorology, ocean, environment, airports, ports, laboratories, industry, agriculture and transportation to measure the presence or absence of rain and snow qualitatively.

Technical Parameters

Measuring range: with or without rain and snow
Power supply mode:
□ DC 12V
□ other
Output form:
□ Switch value:
□Normally open
□Normally closed
□ other

Instrument line length:
□ Standard configuration: 5 meters
□Other

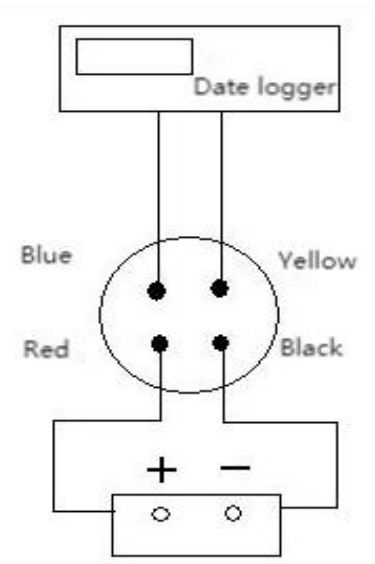
Load capacity (contact capacity):
5A, 250VAC/30VDC

Working environment: temperature -40℃～80℃
Humidity≤100%RH

Cable grade: rated voltage: 300V
Product weight: 120g
Product power consumption: 1.5W

Connection method

(1) If equipped with the collector produced by our company, directly use the sensor line to connect the sensor to the corresponding interface on the collector.
(2) If the sensor is purchased separately, the wiring sequence of the sensor supporting line is shown in the figure
They are:

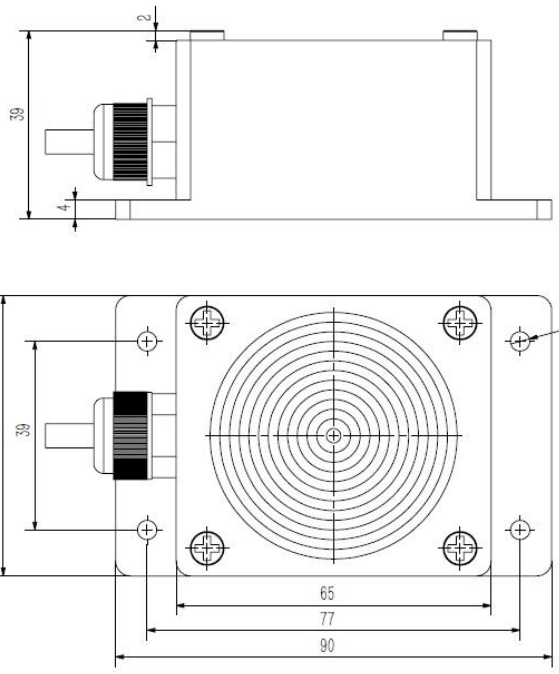


Red wire: power + (+12V)
Black wire: Power -
Blue line, yellow line: contact

The output of the sensor is a set of switching signals, and the connection between the two contacts and the collector does not need to

consider the positive and negative issues.
Connect the sensor to the power supply and the collector as shown in the figure above.

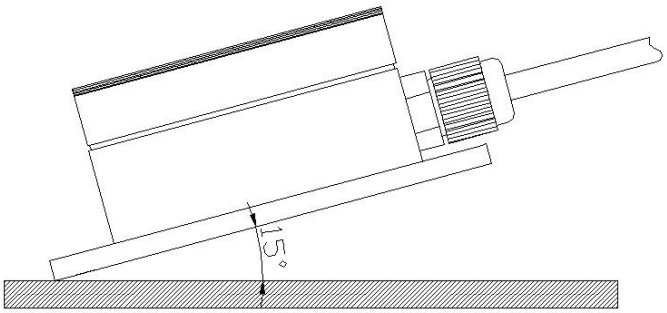
结构尺寸



Structural dimension of rain and snow induction coil

Installation Notes

1. As shown in the figure, put two M3×35 screws through the two mounting holes at the front of the sensor, and two M3×35 screws through the two mounting holes at the rear of the sensor, and fix them with nuts to make the sensor sense Keep the surface and the horizontal plane at about 15° (to prevent the accumulation of rain and snow from affecting the sensor measurement), and fix the sensor on the mounting base;



2. Please avoid disassembling the sensor during installation.

Instructions for use

After wiring and installing the sensor according to the wiring method and instructions in the installation instructions, place it at the position to be detected, and connect the system to obtain qualitative information on the presence or absence of rain and snow.

Notice

1. Please check whether the packaging is in good condition, and check whether the product model is consistent with the selected model;
2. Do not connect live wires, and power on after the wiring is completed and checked;
3. The length of the sensor wire will affect the output signal of the product. When using it, do not change the components or wires that have been welded when the product leaves the factory. If you need to change it, please contact the manufacturer;
4. The sensor is a precision device. When using it, please do not disassemble it by yourself, or touch the surface of the sensor with sharp objects or corrosive liquids, so as not to damage the product;
5. Please keep the verification certificate and qualification certificate, and return it with the product when repairing.

Troubleshoot

1. The collector has no display value. The collector may not be able to obtain information correctly due to wiring problems. Please check whether the wiring is correct and firm;
2. If it is not the above reasons, please contact the manufacturer.。

Contact us

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