

RAINFALL & SNOW SENSOR

RY-YX

MANUAL



INTRODUCTION

The RY-YX rain and snow sensor uses the conductive characteristics of rainwater and uses tin-plated ring curves on the surface to realize the qualitative detection of rain or snow in the environment. The imported intelligent microprocessor is used inside, which is sensitive and accurate, and the built-in automatic heating device can eliminate the interference of rain and snow

adhesion and ensure the normal operation of the system. The output is a set of normally open and normally closed switch signals, which is convenient for installation and use.

The products can be widely used for the qualitative measurement of rain and snow in the fields of meteorology, ocean, environment, airport, port, laboratory, industry, agriculture and transportation.

FEATURES:

- Small size and easy installation
- Fast response time
- Sense tiny raindrops, meet environmental monitoring requirements
- Strong anti-interference ability to fog and frost
- Reasonable structure design and long service life
- Good sealing

TECHNICAL SPECIFICATION

Supply voltage: DC12V/24V

Output: Switching value

Respond time: <10s

Working current: DC12V <120ma (heating); DC12V <15ma (Standby)

Power Consumption: DC12V <1.5W (heating); DC12V <0.2W (Standby)

Work environment: Temperature -40°C ~50°C Humidity ≤100%RH

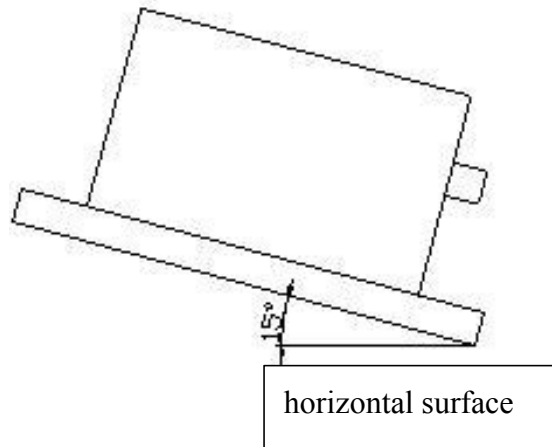
Cable length: 3m

The output cable and the sensor are equipped with a four core cable as standard. The cable specification is 0.2mm² Four core shielded cable. The wiring color is defined as:

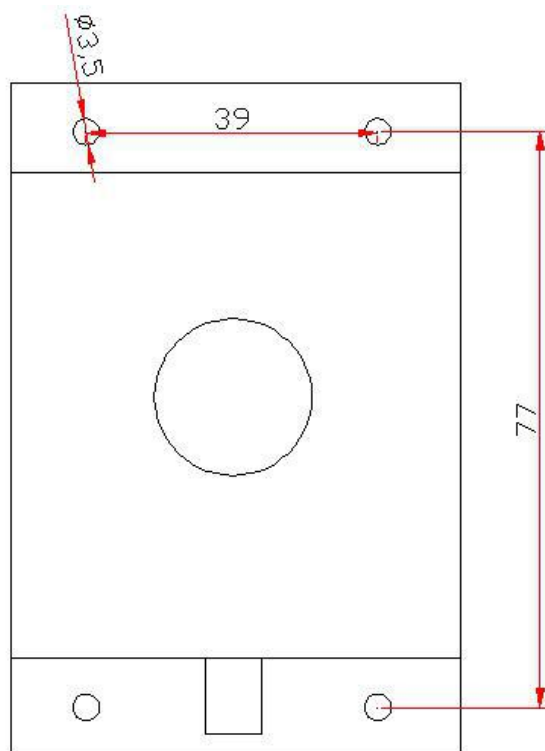
OUTPUT	
Red	Positive pole
Black	Negative pole
Yellow	Relay normally
Blue	open contact

INSTALLATION DIAGRAM:

During installation, keep the sensor sensing surface at an angle of 15 degrees with the horizontal surface to prevent the accumulation of rain and snow from affecting the sensor measurement.



INSTALLATION DIMENSION DRAWING



WARRANTY & SERVICE

Warranty commitment: the warranty period is 12 months from the delivery period (except for the product problems caused by the failure to operate according to the corresponding technical requirements or other human behaviors).

After sales commitment: users can consult relevant technical problems by phone and get clear solutions. If it is a quality problem, it can be returned to the factory for maintenance or replacement.

Service Phone: 0310-8033736