

SW5 Water Sensor User Manual

1. Principle

Model SW5 water sensor uses electrode detection method to detect if there is water on the floor. It's a special module adopting resistance change when electrode in water, and uses special IC to amplify, compare, and output high level signal. Output a N.C or N.O signal via relay when there's water on the floor.

2. Technical parameter

- a) Rating voltage: 9 to 36V
- b) Storage temp.: -55℃~85℃
- c) Work temp.: -20℃~55℃
- d) Work humidity: 5%~95%
- e) Operating current: <20mA
- f) MTBF: 50000 hours
- g) IP grade: IP66

3. Connection

Sensor with a 5 core cable, length is 2 meter, the definition for each wire list in following table.

No.	Color	Definition
1	Red	Positive pole (power in)
2	Black	Negative pole (power in)
3	Yellow	COM
4	Green	N.O signal
5	Blue	N.C signal

The LED indicator is double-color, when working, the green LED is bright; when water leak detected, the LED turns to red.

4. Dimension of sensor

