ICStation Resistive Soil Moisture Sensor with Corrosion Resistant Probe

(ASIN:B076DDWDJK)

http://www.amazon.com/dp/B076DDWDJK



Amazon
www.amazon.com/shops/icstation
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ICSTATION

Function

RESISTIVE SENSOR

The probe uses analog resistance to detect the moisture content of the soil. It is a good plant helper to make you know if your plants are thirsty and it can also be used in the automatic watering system, garden, greenhouse, etc.

CORROSION-RESISTANT ALLOY PROBE

A waterproof sensor probe with high corrosion resistance ensures a long lifetime at least 6 months in the soil.

LED INDICATORS

On-board power and signal indicator make you know the working status of the board at a glance at any time.

DIGITAL VALUE OUTPUT

This soil moisture detector outputs a low level from the DO port when the detecting humidity reaches the threshold value. Good to work with Arduino/Raspberry Pi.

ANALOG VALUE OUTPUT

The AO port on the soil humidity sensor outputs analog value(voltage), and you can acquire the real-time data via the AD port of your single-chip microcomputer(MCU).

ADJUSTABLE THRESHOLD

Clockwise/counter-clockwise rotate the blue potentiometer to increase/reduce the detection threshold.

Parameters

Working Voltage	DC 3.3-12V
Working Current	<20mA (Output Current: <30mA)
Board Size	36x15x6mm/1.42X0.59X0.23 inch (L*W*H)
Sensor Probe Length	8.8cm/3.46 inch
Sensor Pin Pitch	5 mm
Sensor Cable Length	1.2 meters /3.94ft
Sensor Connecting Port	-XH2.54 2P
DO Port	digital value output (DO output current is about 10mA)
AO Port	analog value output

Instruction

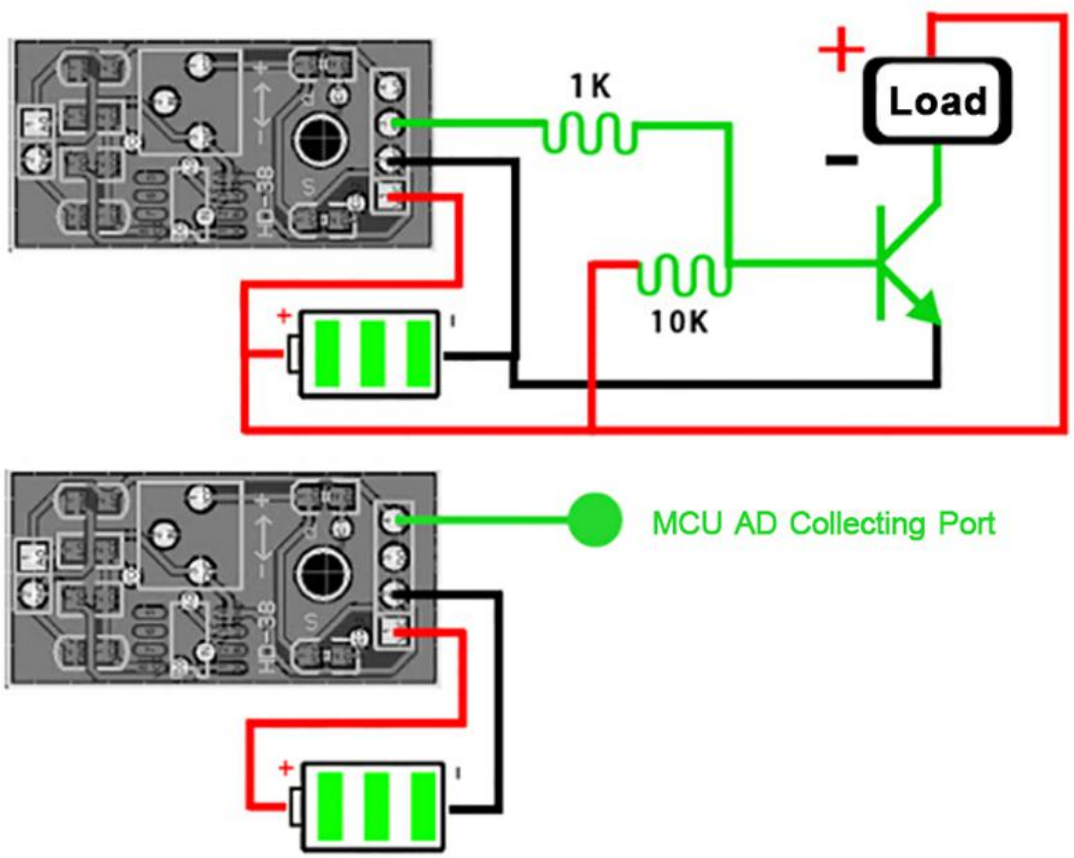
For those who are not sure how to use these, we would suggest looking into how to use these online. The voltage required, analog reading, etc.

1. "+" connects power positive; "-" goes to negative. Don't connect reversely or the chip will be burnt out. There is a LED power indicator at the P mark on the board. It will be light if the module operates normally.
2. Clockwise/counter-clockwise rotate the blue potentiometer to increase/reduce the detection threshold. For example, DO outputs low level when the moisture

reaches 50% now, then I clockwise rotate the potentiometer to increase the detection threshold. At this time, DO outputs a low level only when the moisture reaches a point higher than 50%.

3. If you clockwise rotate the potentiometer to an extent that the LED indicator which marked "S" is light, that means the testing threshold has been surpassed. Counterclockwise rotating to the end surpasses the threshold too. The module will not work well if the detection threshold is invalid. NOTE: The threshold adjustment only works for using DO output.

4. The AO port on the soil humidity sensor outputs analog value(voltage), and you can acquire the real-time data via the AD port of your single-chip microcomputer(MCU).



Package Included

2x Soil Moisture Sensor Module
2x Sensor Probes

Any Question?

We are sorry that we cannot provide technical support, but if you have any other issue with your purchase please contact our service team with your order ID. We are glad to help you solve the issue. icstation@hotmail.com

