

Gravity: Steam Sensor

Overview

This steam sensor can be connected to the Arduino IO Expansion shield directly. The output voltage will increase when the humidity of the sensor surface goes up.



Order Code

Order Code	Brand	Description
E38004-001	DFRobot	Gravity: Steam Sensor

Specification

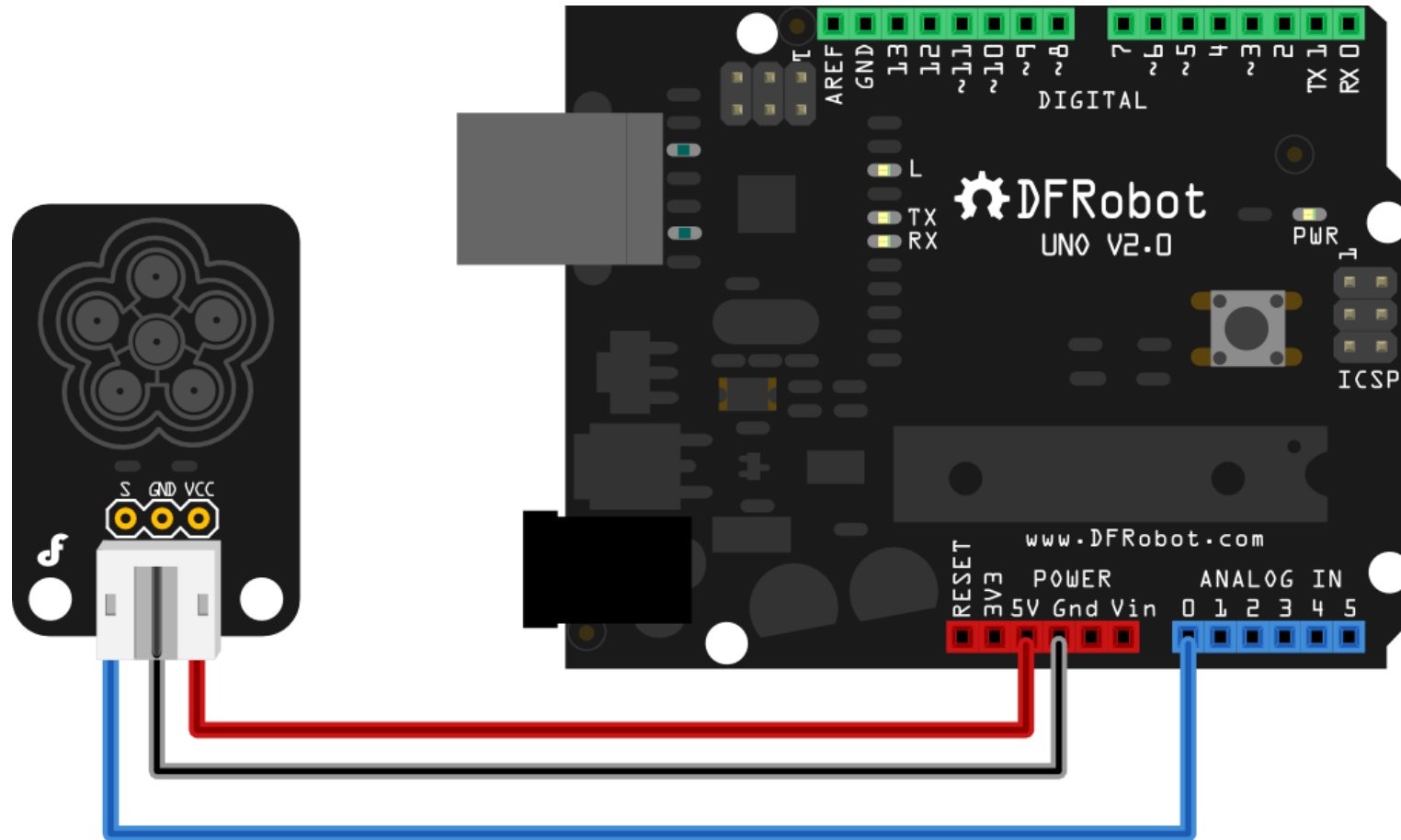
- Power supply: 3.3v or 5v
- Output voltage signal: 0 ~ 4.5v(@5v) or 0 ~ 3.0v(@3.3v)
- Pin definition:
 - Analog output(Blue wire)
 - GND(Black wire)
 - Power(Red wire)
- Size: 30x20x6mm

Application

- Simple rain detector Cheap steam level switch Touch sensor based on humidity
- Warning: The connector is not waterproof, please be careful not to put the connector directly in water.

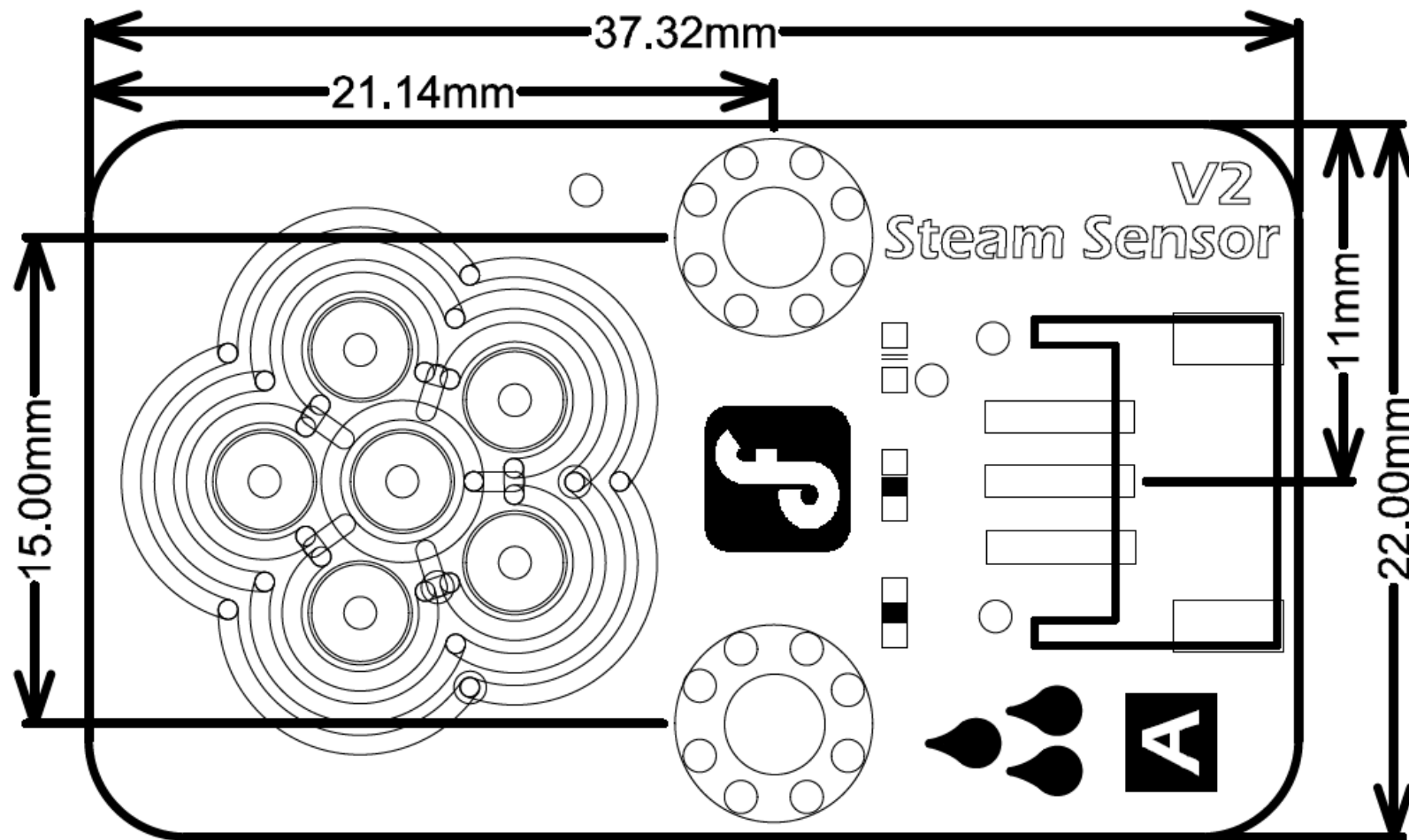
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Connection Diagram



Sample Code

```
/******  
    Connection:  
    VCC-5V  
    GND-GND  
    S-Analog pin 0  
  
    You can put the sensor on your palm,  
    it may sense the humidity of your palm  
    *****/  
  
void setup()  
{  
    Serial.begin(9600); // open serial port, set the baud rate to 9600 bps  
}  
void loop()  
{  
    int sensorValue;  
    sensorValue = analogRead(0); //connect Steam sensors to Analog 0  
    Serial.println(sensorValue); //print the value to serial  
    delay(200);  
}
```



Revision History

Date	Revision	Change description
30/10/2025	1.0	Initial release