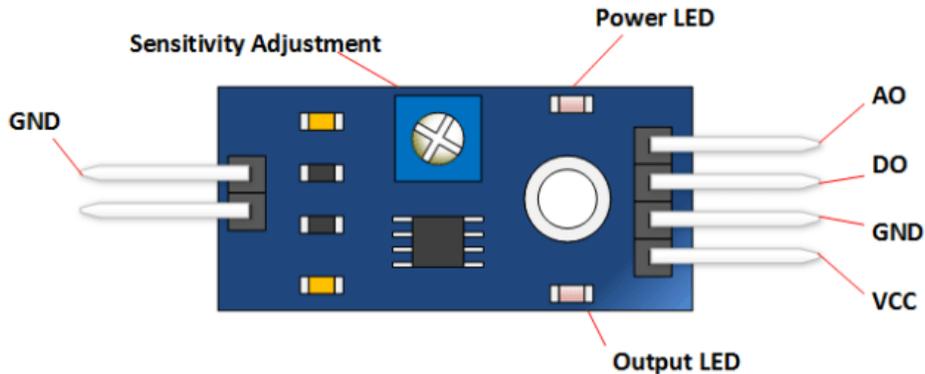# Raindrops Sensor Module for Arduino

The rain sensor module is an easy tool for rain detection. It can be used as a switch when raindrop falls through the raining board and also for measuring rainfall intensity. It allows you to measure moisture via analog output pins and it provides a digital output when a threshold of moisture is exceeded.

SPECIFICATIONS:

- Operating voltage: 3.3V-5V
- PCB size: 3.2cm x 1.4cm
- Sensor Size :5CM X 4CM
- Wide voltage LM393 comparator
- A fixed bolt holes for easy installation
- Output: digital switching outputs (0 and 1) and analogue AO voltage output
- Adopts high quality of RF-04 double sided material.
- Anti-oxidation, anti-conductivity, with long use time
- Comparator output signal clean waveform is good, driving ability, over 15mA
- Potentiometer adjust the sensitivity
- Working voltage 5V

PIN-OUTS:

Pin	Description
A0	Analog Output - Zero to five volts. The lower the voltage, the greater the moisture.
D0	Digital Output. Goes low when moisture exceeds set threshold.
GND	Ground or negative power source
VCC	+5 Volts Power Source

Power LED: Indicates that power is applied
Output LED: Illuminates when moisture has exceeded threshold set by sensitivity adjustment.
Sensitivity Adjustment: Clockwise is more sensitive. Counterclockwise is less sensitive.

SCHEMATIC DIAGRAM: