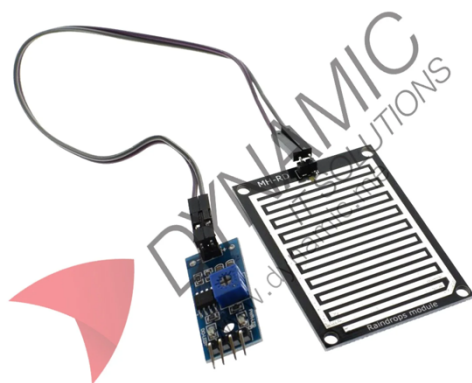


Raindrops Detection



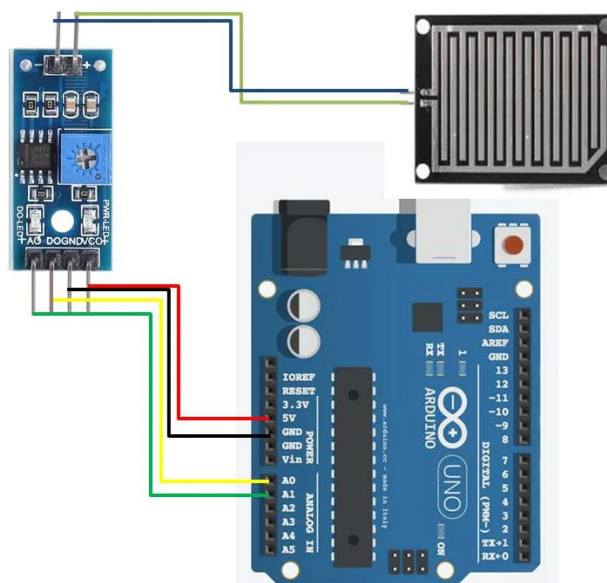
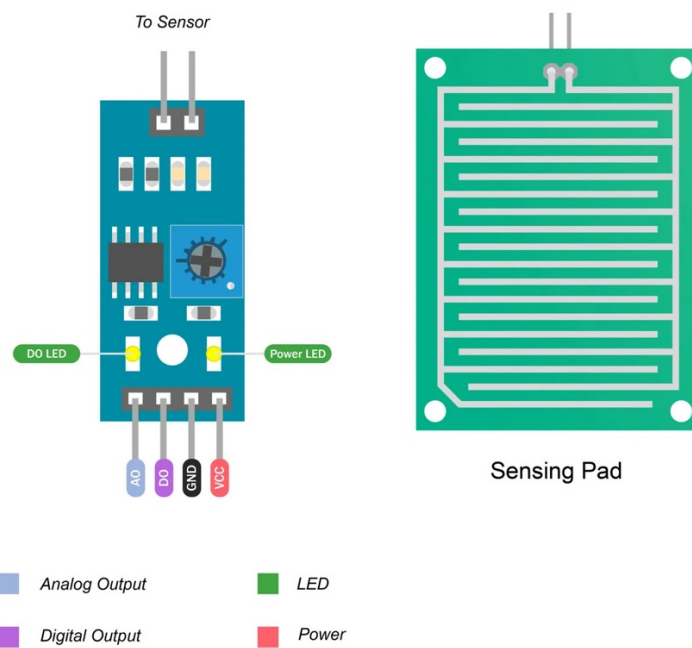
Features:

The Raindrop Detection Sensor Module is a low-cost weather sensor used to detect the presence and intensity of rainfall. It works on the principle of resistance: a nickel-coated sensor plate decreases in resistance when rainwater connects the conductive lines. The sensor outputs both analog and digital signals, enabling applications ranging from simple rain alerts to advanced environmental monitoring. Its compact PCB, paired with adjustable sensitivity via onboard potentiometer, makes it ideal for weather stations, irrigation systems, and automation projects.

Specifications	
Model	Raindrop Detection Sensor Module
Sensor Principle	Resistance change via nickel-plated conductive lines
Detection Type	Raindrop presence and intensity
Supply Voltage	3.3 V – 5 V DC
Power Consumption	~5 V input, < typical microamp range
Output Types	Analog (AO), Digital (DO)
Digital Output Behavior	Low = Rain Detected, High = Dry
Analog Output Behavior	Higher voltage = Dry, Lower = More rain
Sensor Plate Area	50 mm × 40 mm (nickel-plated)
Control PCB Dimensions	32 mm × 14 mm
Operating Environment	Indoor/Outdoor (with protection)
Use Cases	Automatic rain detection, smart irrigation, window control systems, weather stations

Pinouts:

Pin Name	Type	Description
VCC	Power Input	Power supply input (3.3 V – 5 V)
GND	Power Ground	Common ground
AO	Analog Output	Analog voltage signal based on water presence. The more rainwater, the smaller the analog output value.
DO	Digital Output	Low when rain detected, High when dry



Product Pictures:

