

RAIN ALARM

USING 555 TIMER AND TEMPARATURE SENSOR



TOPICS TO BE DISCUSSED

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- WHAT IS RAIN ALARM?
- COMPONENTS OF RAIN ALARM?
- SIMULATION
- PIN DIAGRAM OF 555 TIMER
- TEMPARATURE SENSOR
- APPLICATION
- RESULT

OBJECTIVE

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- DESIGN RAIN ALARM SYSTEM USING IC 555 AND TEMPARATURE SENSOR



APPLICATIONS

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- Automobile industries
- Used in irrigation ways
- Water conservation purposes

WHAT IS A RAIN ALARM?

Rain Alarm is a system that detects rainwater and blows the alarm which triggered the output buzzer when raindrops fall on the sensor. It mainly consists of a rain sensor and a 555 timer IC



COMPONENTS OF RAIN ALARM SYSTEM

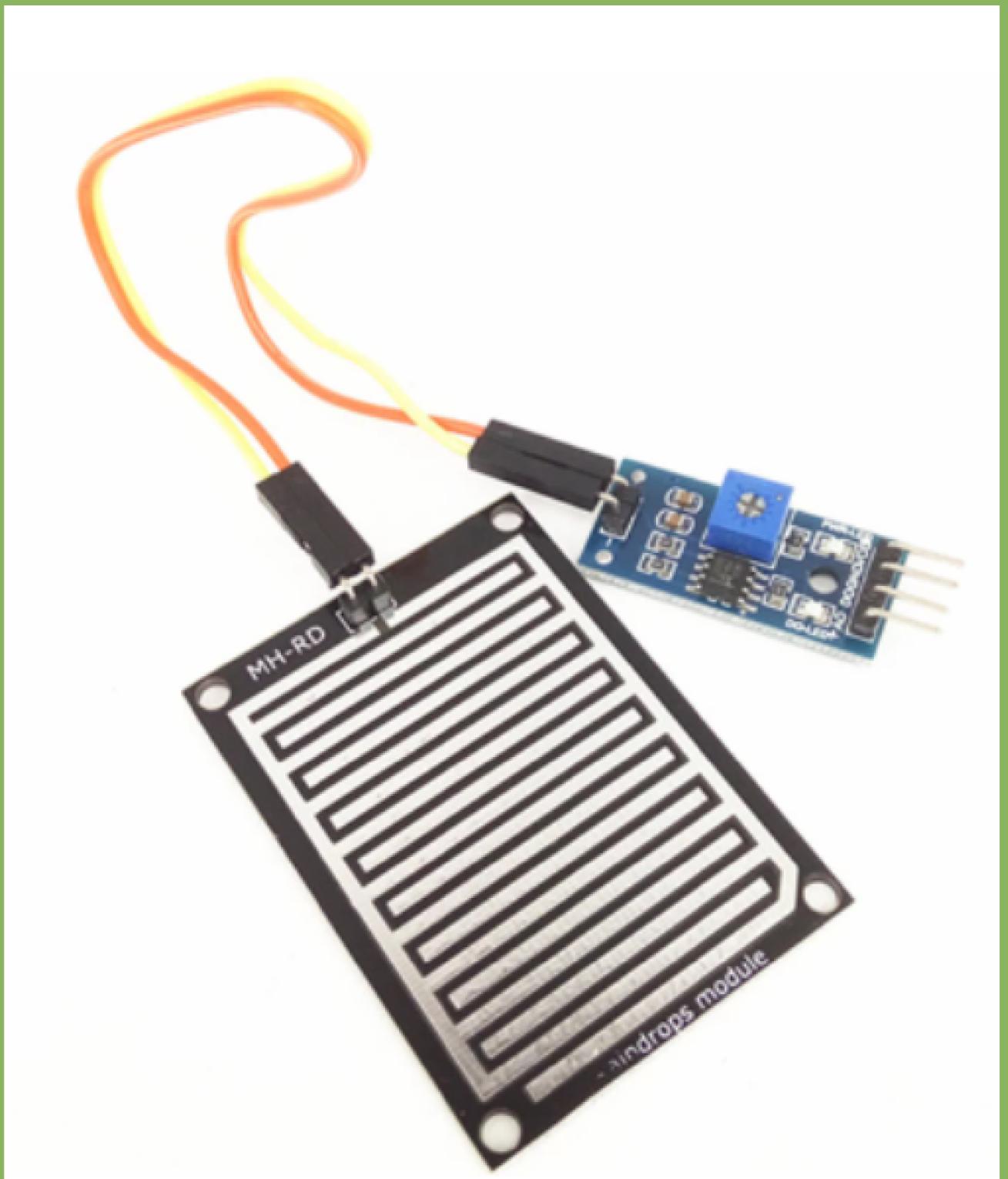
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555 Timer IC
Rain sensor
Temparature Sensor
NPN Transistor
Resistors
Capacitor
Buzzer

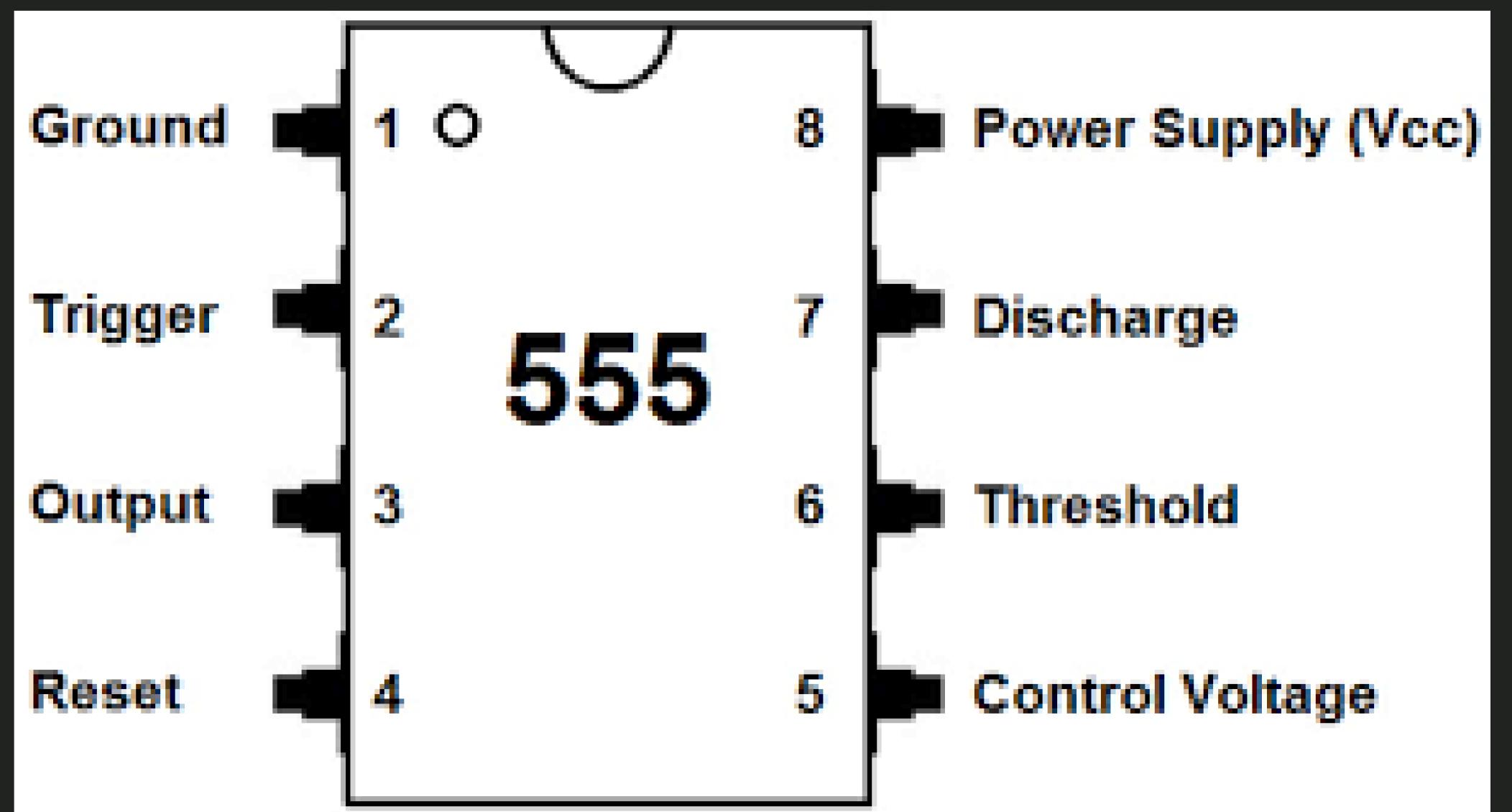
RAIN SENSOR



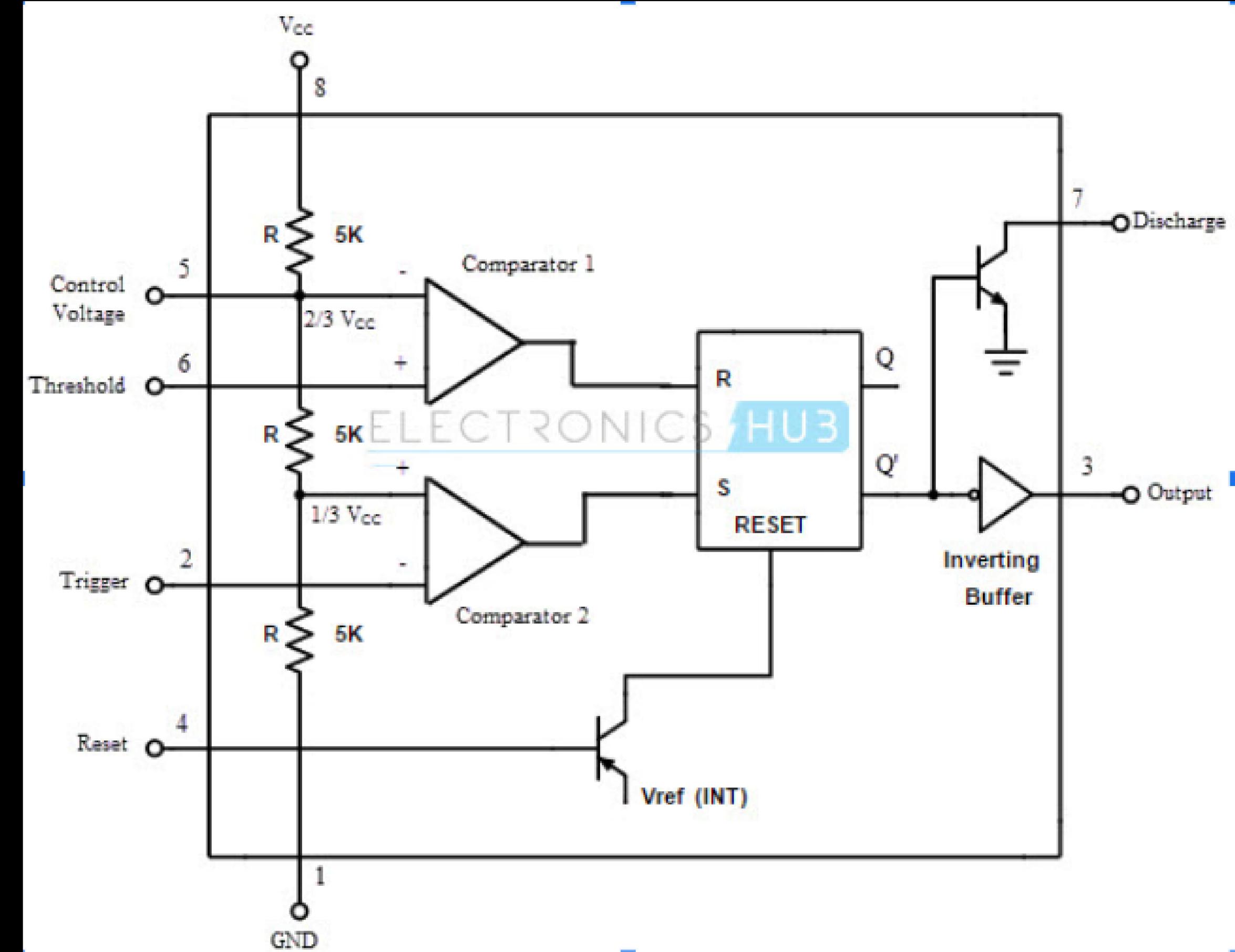
A rain sensor detects the presence of water on the glass of the windshield of sensor works like a switch.

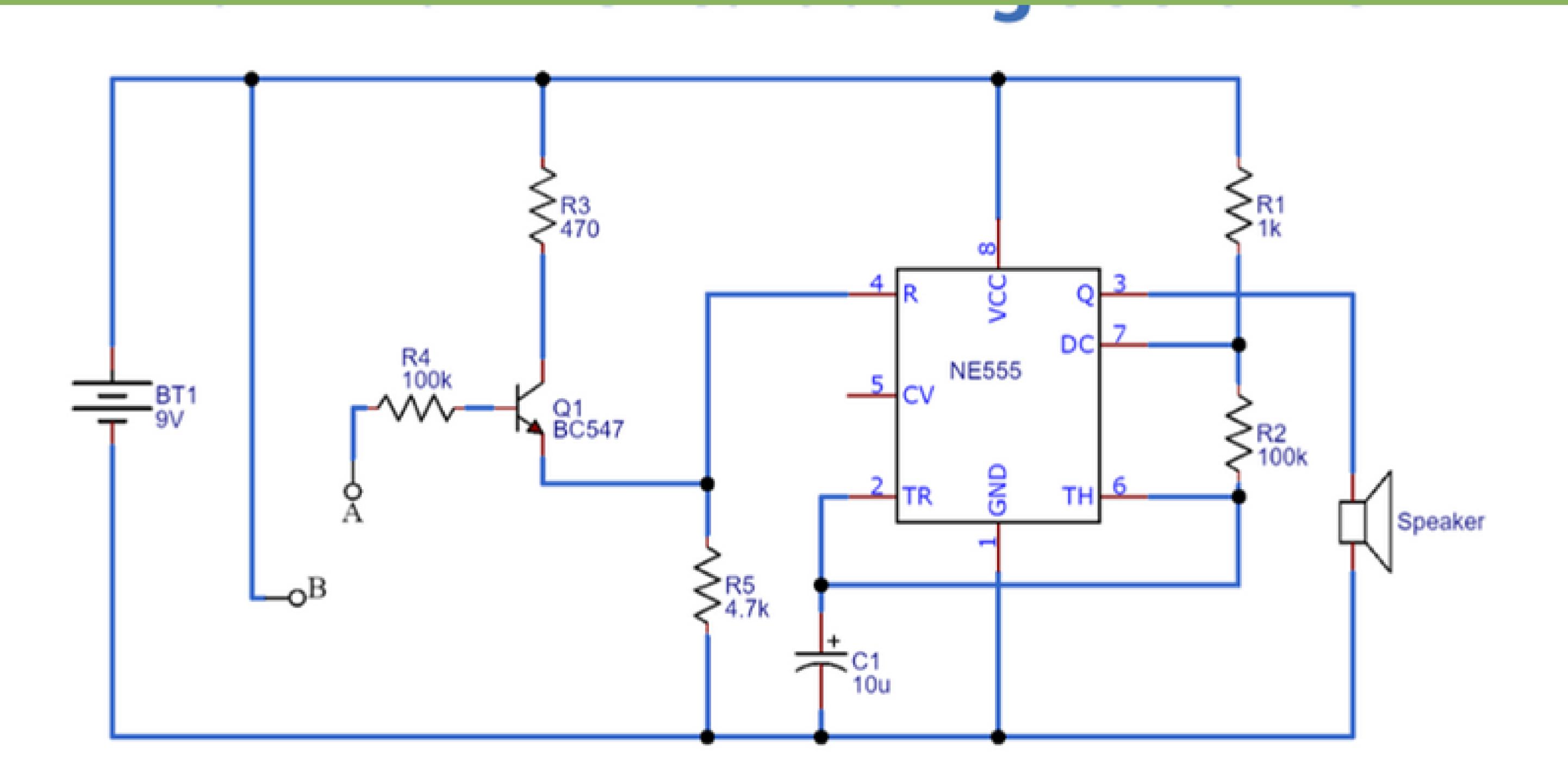


PIN DIAGRAM OF 555 TIMER

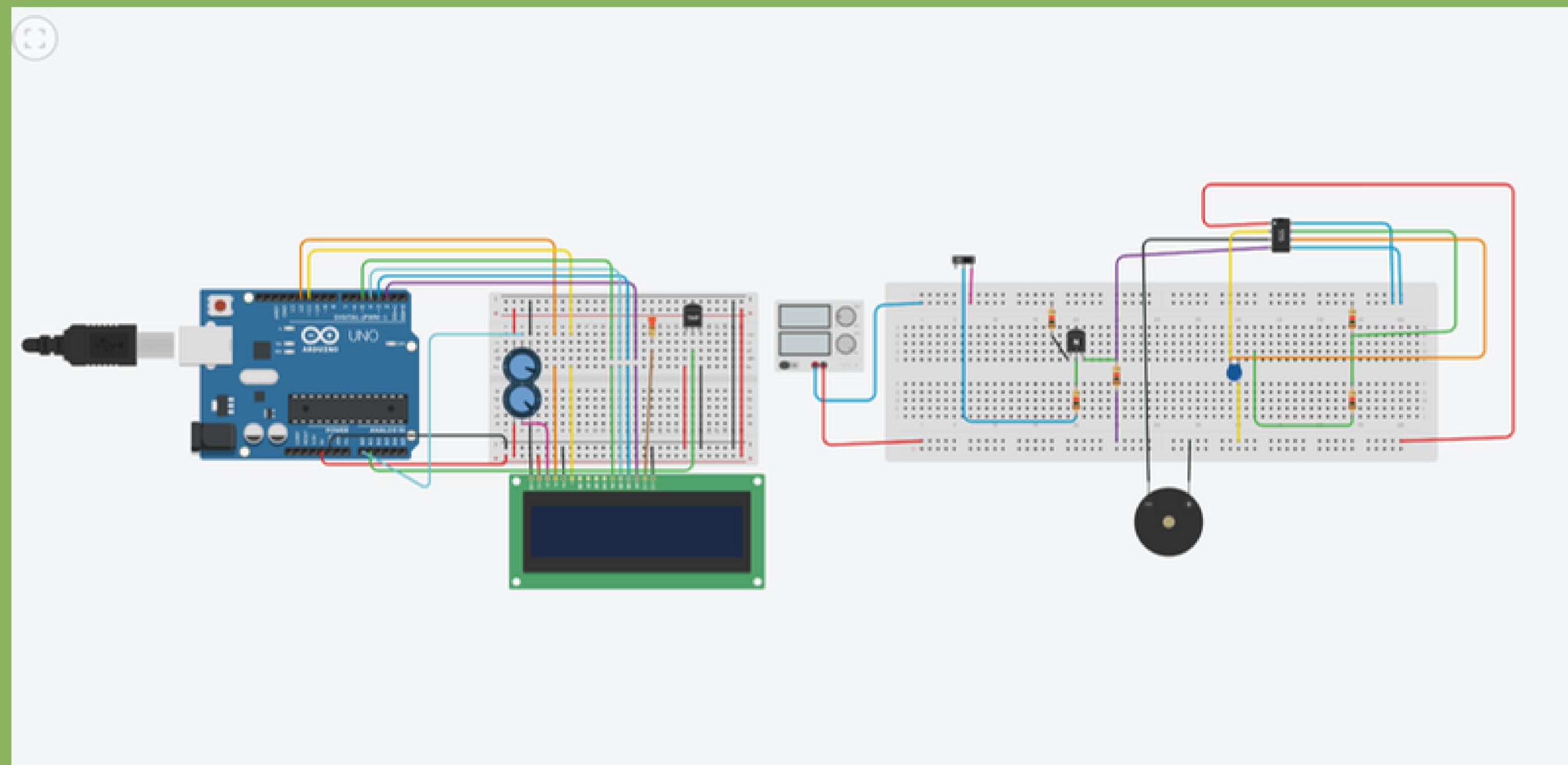


555 Timer IC





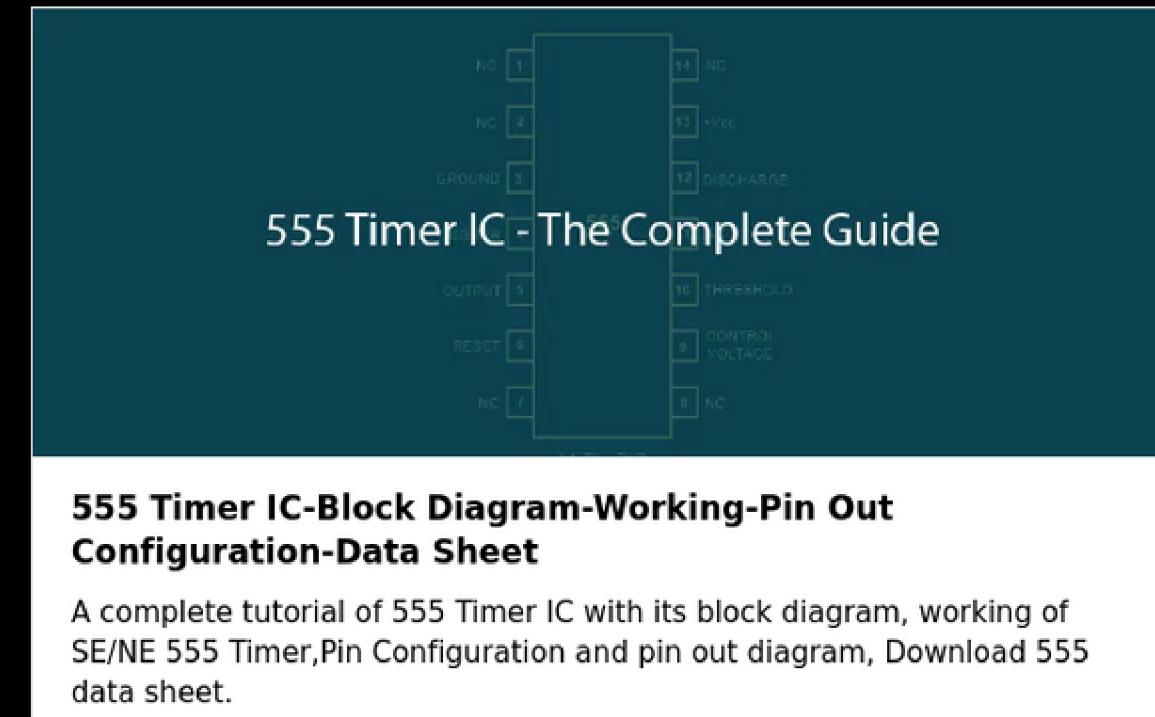
Tinkercad design



RESULT

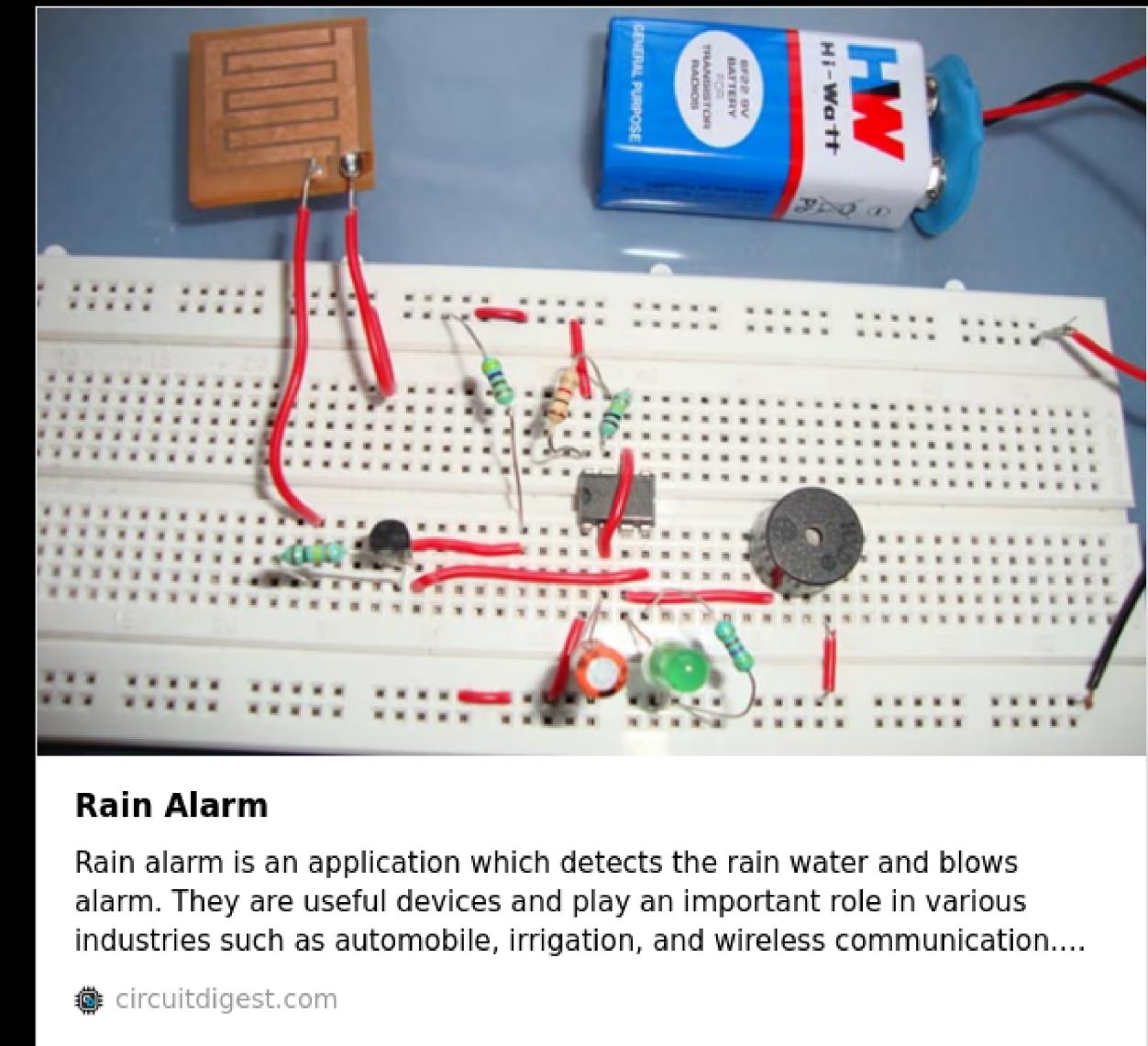
As a result from this project we will be able to detect the rainfall the help of the alarm

References



Rainfall Detector Alarm using 555 Timer & Rain Sensor

Rainfall Detector Alarm using 555 Timer & Rain Sensor 555 Timer Project
- Rainfall Detector Alarm using 555 Timer & Rain Sensor is a mini electronics



Rain Alarm

Rain alarm is an application which detects the rain water and blows alarm. They are useful devices and play an important role in various industries such as automobile, irrigation, and wireless communication....

**T H A N K
Y O U**

