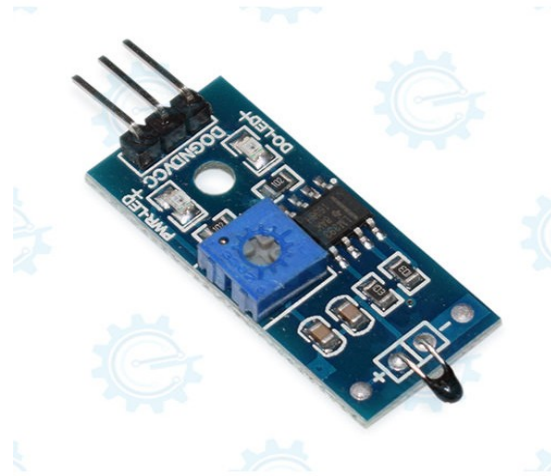


Thermistor thermal Temperature sensor module



A thermistor module is sensitive to the environment temperature, are commonly used to detect the temperature of the surrounding environment. You can change the temperature detection threshold by adjusting the potentiometer. The module can also be replaced with a line of temperature sensor, used for water temperature, the control of water tank, etc. Output of the module can be attached directly driven relay module, just like temperature control switch or any related equipment operating temperature(e.g cooling system with fan).. Compatible in all gizduino boards and other Arduino MCU.

Specifications:

Input Voltage: 3.3 ~ 5V DC
Output: Digital Switch (0 and 1)
Temperature detection range: 20 ~ 80 degC
On board IC: LM393
PCB Dimensions: 32 mm x14mm

Wiring Connections:
GizduinoV to Thermistor module

+5V	VCC
GND	GND
D4	DO

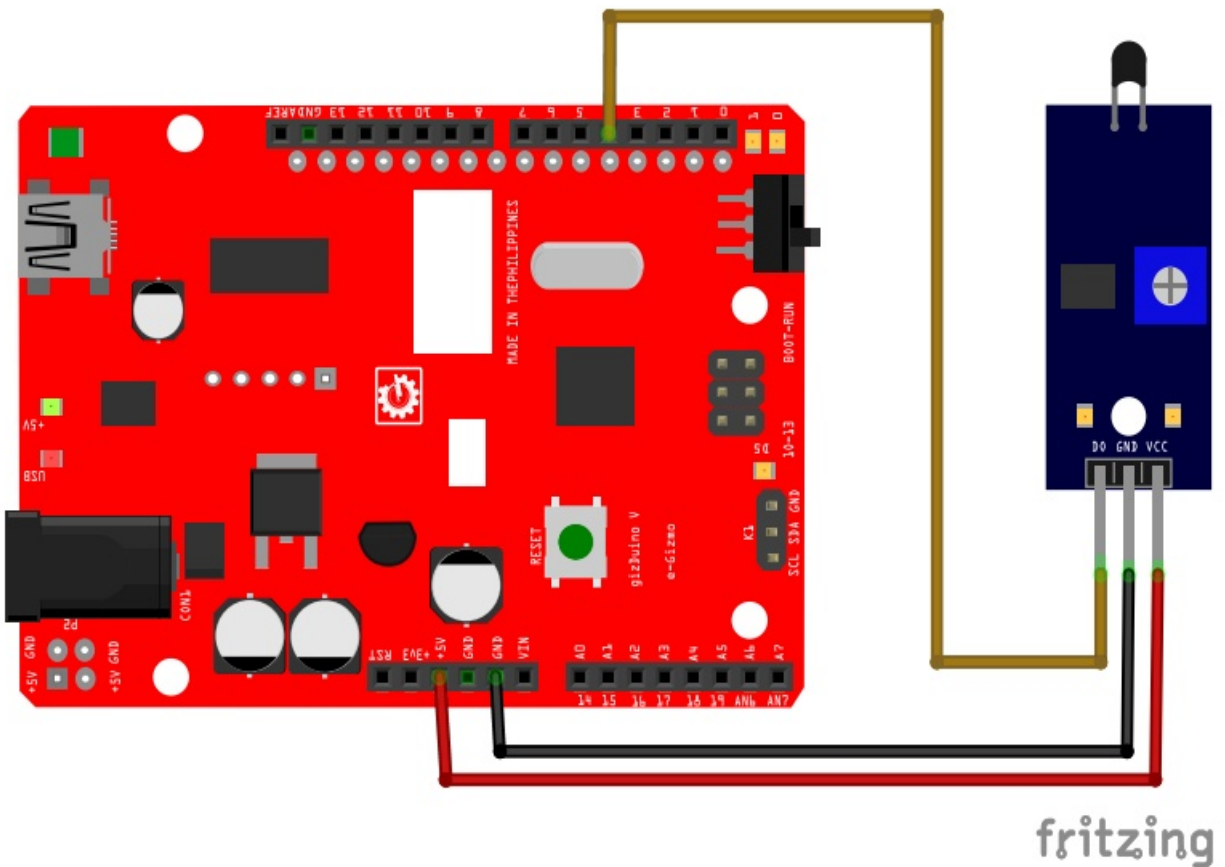


Figure 1. Sample Wiring Diagram with Gizduino V ATmega328P.

```

//*****//
//  Thermistor Temperature sensor  //
//                                //
//  This is a sample sketch is for  //
//  reading the digital output from the  //
//  temperature module and display using  //
//  Serial monitor.                    //
//                                //
//  If the digital output is in high level  //
//  the green light will turn ON., but if  //
//  it is in Low level, green light OFF.  //
//  Note: Its depends on your temperature //
//  adjustment.                        //
//                                //
//      Codes by:                      //
//  e-Gizmo Mechatronix Central        //
//  http://www.e-gizmo.net             //
//  Novemver 5, 2017                   //
//*****//

// digital pin 4 has the Sensor attached to it. Give it a name:
int thermalSensorPin = 4;

// the setup routine runs once when you press reset:
void setup() {
  // initialize serial communication at 9600 bits per second:
  Serial.begin(9600);
  // make the thermal Sensor's pin an input:
  pinMode(thermalSensorPin, INPUT);
}

// the loop routine runs over and over again forever:
void loop() {

  // read the input pin:
  int pinState = digitalRead(thermalSensorPin);

  // print out the state of the button:
  Serial.println(pinState);

  delay(1);    // delay in between reads for stability
}

```