

Digital Temperature Sensor

ARD2-2228

- Detect ambient temperature with digital output
- Applications include gardening & home alarm systems

Description

This module can detect ambient temperature and tell whether it is higher or lower than a user-defined value. This value can be set by adjusting the board's potentiometer. This module also features an analog output so that the current ambient temperature can be ascertained.

Specifications

Colour	Red
Material	PCB

Pinout

Module	Arduino	Function
AO	A0	Analog Output
G	GND	Ground Connection
+	5V	Power Supply
DO	D3	Digital Output

Test Code

```
int Led = 13 ; // define LED Interface
int buttonpin = 3; // define the digital temperature sensor
interface
int val ; // define numeric variables val
void setup ()
{
    pinMode (Led, OUTPUT) ; // define LED as output interface
    pinMode (buttonpin, INPUT) ; // define digital
    temperature sensor output interface
}
void loop ()
{
    val = digitalRead (buttonpin) ; // digital interface
    will be assigned a value of 3 to read val
    if (val == HIGH) // when the digital temperature sensor
    detects a signal, LED flashes
    {
        digitalWrite (Led, HIGH);
    }
    else
    {
        digitalWrite (Led, LOW);
    }
}
```

