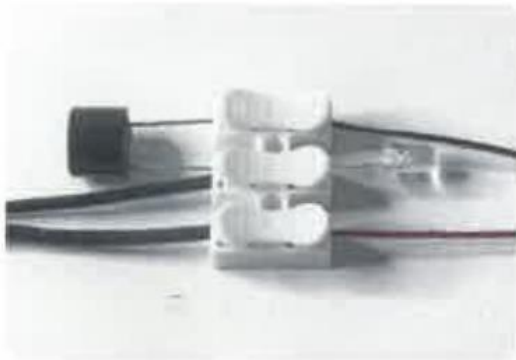


Buzzer

Buzzer: An electroacoustic element composed of a sound element and an oscillation circuit.
It is a circular vibrating sheet made of piezoelectric ceramic sheet and metal sheet pasted together.
The oscillation circuit excites, it vibrates
Move and make a clear sound.
It is suitable for electronic watches, sleeves
Electronic calculator, electronic doorbell
And small electronics such as electronic toys
The supplies are made of sounder parts,



Production skills



Current enters from the red line and exits from the black line,
Buzzer, long needle for led light
Connect the direction in which the current comes in,

Copper wire with red and black wires, corner pins for buzzers and led lights

Must come into contact with the iron sheet inside the wire connector

Temperature sensor

Temperature sensor refers to the ability to feel the temperature and convert it into a usable output. The sensor that outputs the signal. The temperature sensor is the core of the temperature measuring instrument. There are many kinds of heart parts. According to the measurement method, it can be divided into contact and non-contact. There are two types of contact type, which are divided according to the characteristics of sensor materials and electronic components. It is divided into two types: thermal resistance and thermocouple.

Practical application



Fire alarm



Yellow should be on the board *1



Long needle chicken knitting device *1 three-position wire connector *1



Battery should be *1



Temperature control switch *1



10mm brushed *2



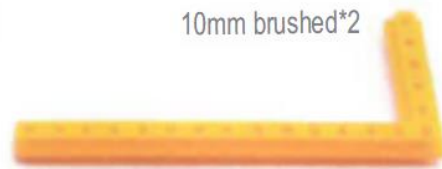
Large angle iron *1



4mm brushed "G



Colorful LED light *1



Road pole *1

(Batteries, screwdrivers, etc. need to be brought by yourself, other spare parts are not shown)

Warning: It contains small parts. The experiment must be operated under the guidance of an adult or teacher. No equipment can be imported.

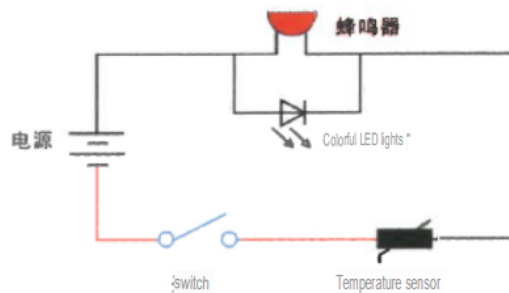
Assembly grade: ☆☆☆

Knowledge points: temperature sensor, buzzer

With the increase of modern household fire and electricity consumption, household fires have occurred. The frequency of birth is getting higher and higher. Once a home fire occurs, it is easy to appear. The rescue was not timely, the fire extinguishing equipment was lacking, and the people present panicked and escaped. Adverse factors such as slow down eventually led to significant loss of life and property. Fire alarms are effective for preventing household fires and reducing fire losses.

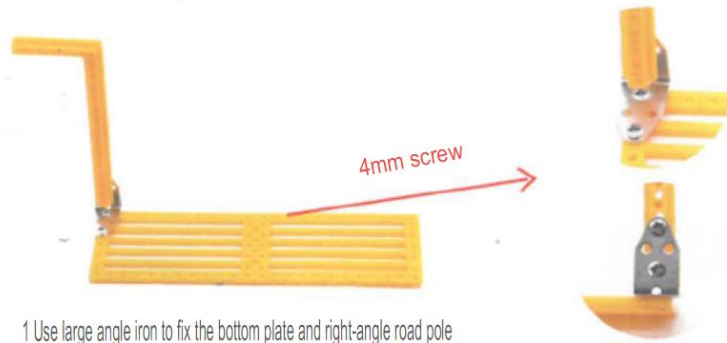
Scientific principles

Heat the temperature sensor, when the sensor temperature reaches above 45°C ,
The circuit is turned on, buzzer, seven
Color LED lights start to work, when
The temperature of the temperature sensor is lower than
At 45°C , buzzer, colorful ;
The LED light stopped working.



Assembly instructions





1 Use large angle iron to fix the bottom plate and right-angle road pole

2 The red and black wires of the battery box are connected to three digits
Both ends of the wire connector

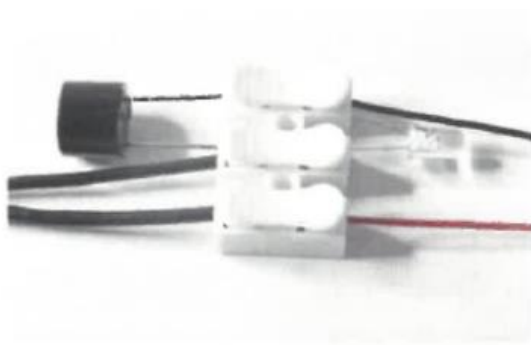


3 Both ends of the temperature control switch are connected to the red line
Vacancies and intermediate positions

4 Buzzer connection black wire hole position !

And the middle position (the long needle is in :)

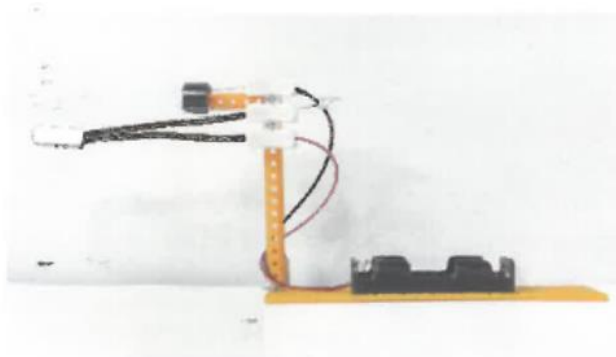
Middle position)



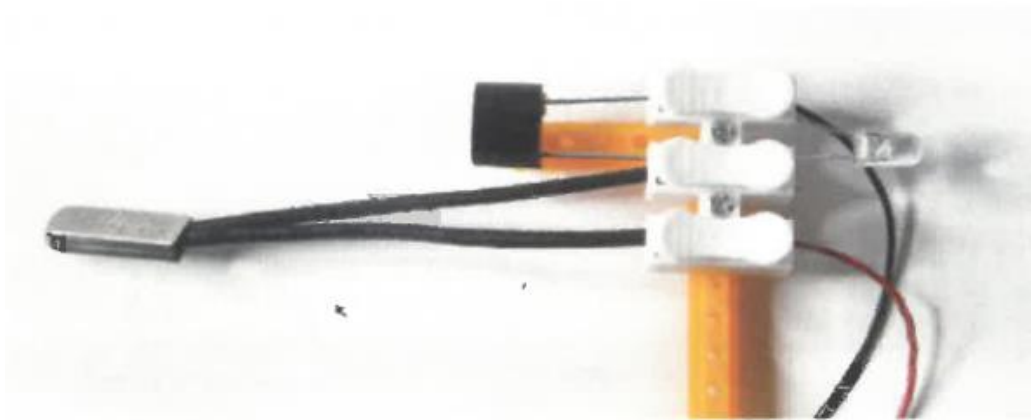
5 The long foot of the LED bulb is connected to the middle position

The short position of the black line (as shown in the picture)

- 6 Use 4mm screws to connect the battery box
Fixed in the middle of the base plate



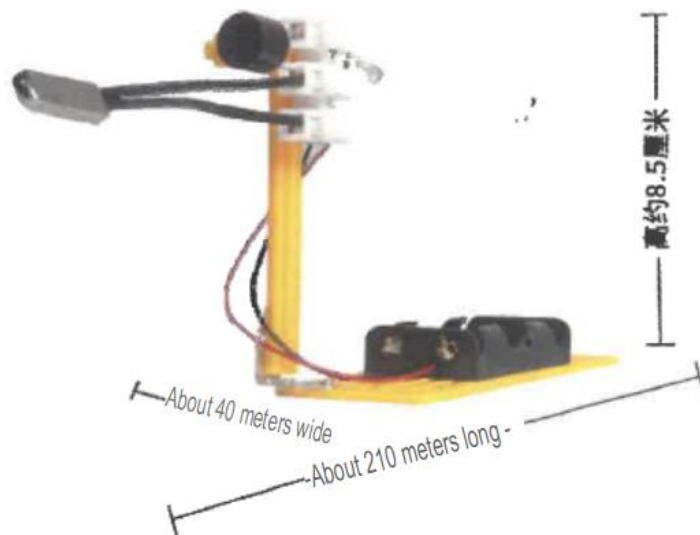
Assembly is complete. Use a lighter or hot water to heat the metal part of the temperature control switch,
When the metal temperature reaches 45° , the circuit forms a loop. The buzzer sounded, colorful at the same time
The led light will flash non-stop.



7 Two 10mm screws, wire connector

Fixed on the right-angle road pole, the top is aligned

Product size:



Note: The above dimensions are manually measured, and there may be fixed measurement errors. The specific size of the product is subject to the actual assembled size.

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