

4N35

Overview



(Note: There may be black)

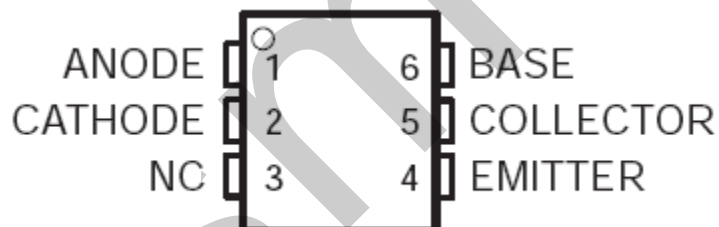
4N35 is an optocoupler, which can be simply understood as a switch, commonly used in relays, motors and so on. This experiment will introduce the usage of 4N35.

Specification

Please view "4N35-datasheet.pdf"

Path: \Public_materials\Datasheet\4N35-datasheet.pdf.




Pin definition



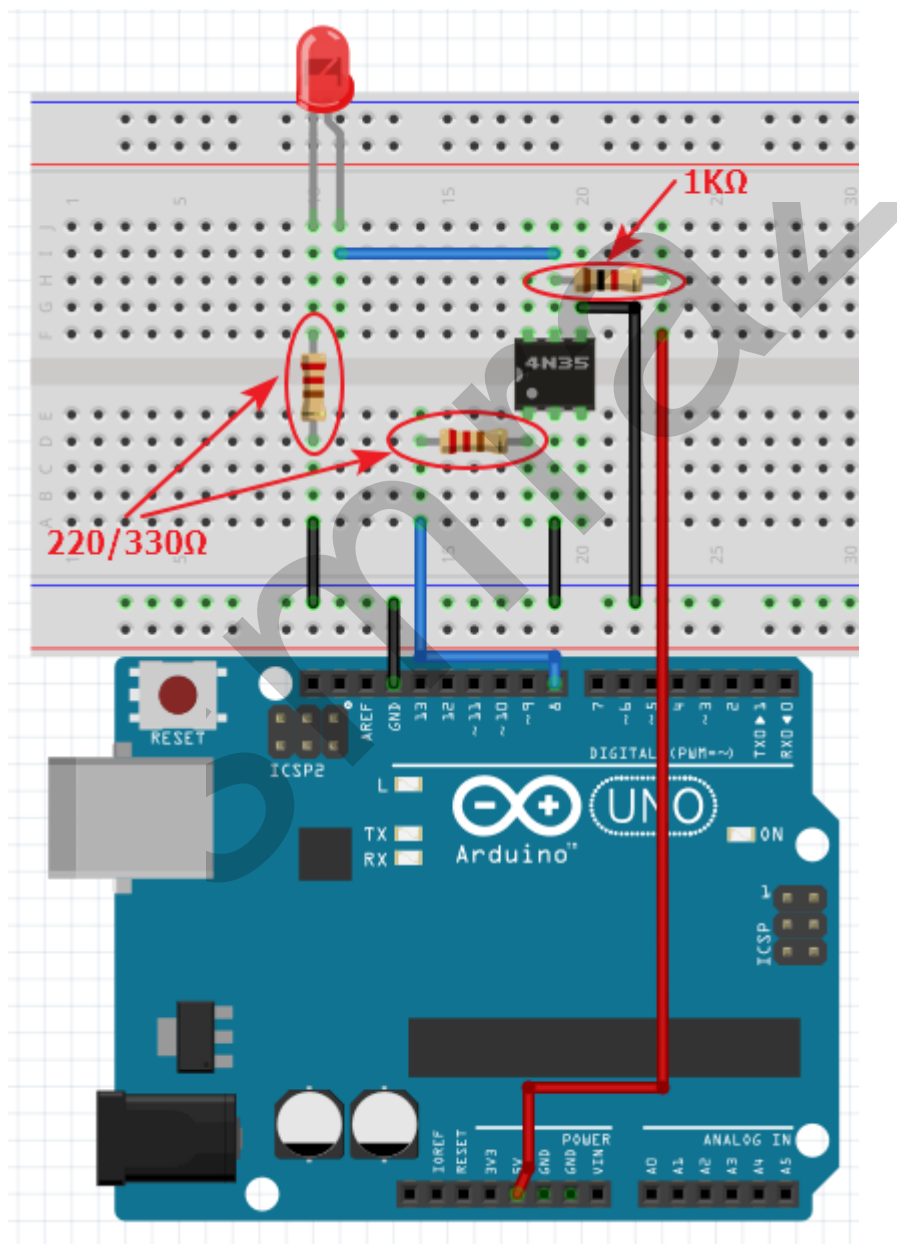
Hardware required

Material diagram	Material name	Number
	4N35	1
	LED	1
	220/330Ω resistor	2
	1KΩ resistor	1
	USB Cable	1

V1.0

	UNO R3	1
	Breadboard	1
	Jumper wires	Several

Connection diagram



Note : Pay attention to the resistor.

Sample code

Note: sample code under the **Sample code** folder

```
const int Optocoupler=8;
void setup()
{
  pinMode(Optocoupler,OUTPUT);
}
void loop()
{
  digitalWrite(Optocoupler,LOW);
  delay(1000);
  digitalWrite(Optocoupler,HIGH);
  delay(1000);
}
```

Language reference

Null

Application effect

You will see the LED blink.