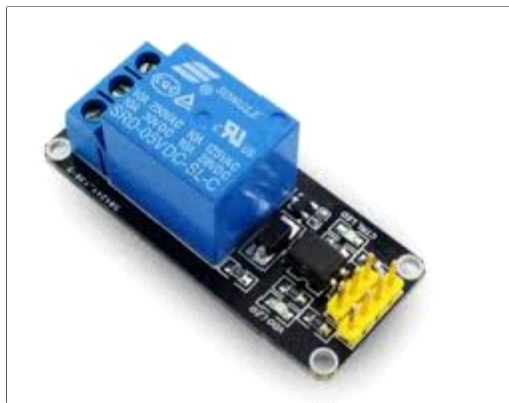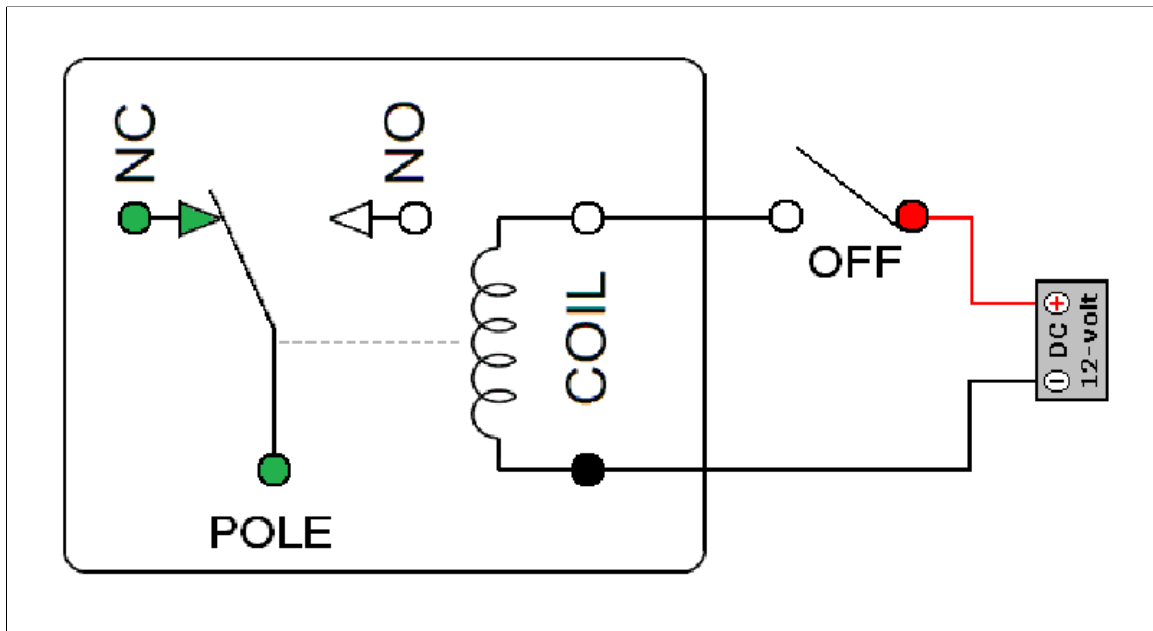# RELAY

A relay is a simple electromechanical switch made up of an electromagnet and a set of contacts. Relays are found hidden in all sorts of devices. In fact, some of the first computers ever built used relays to implement Boolean gates.
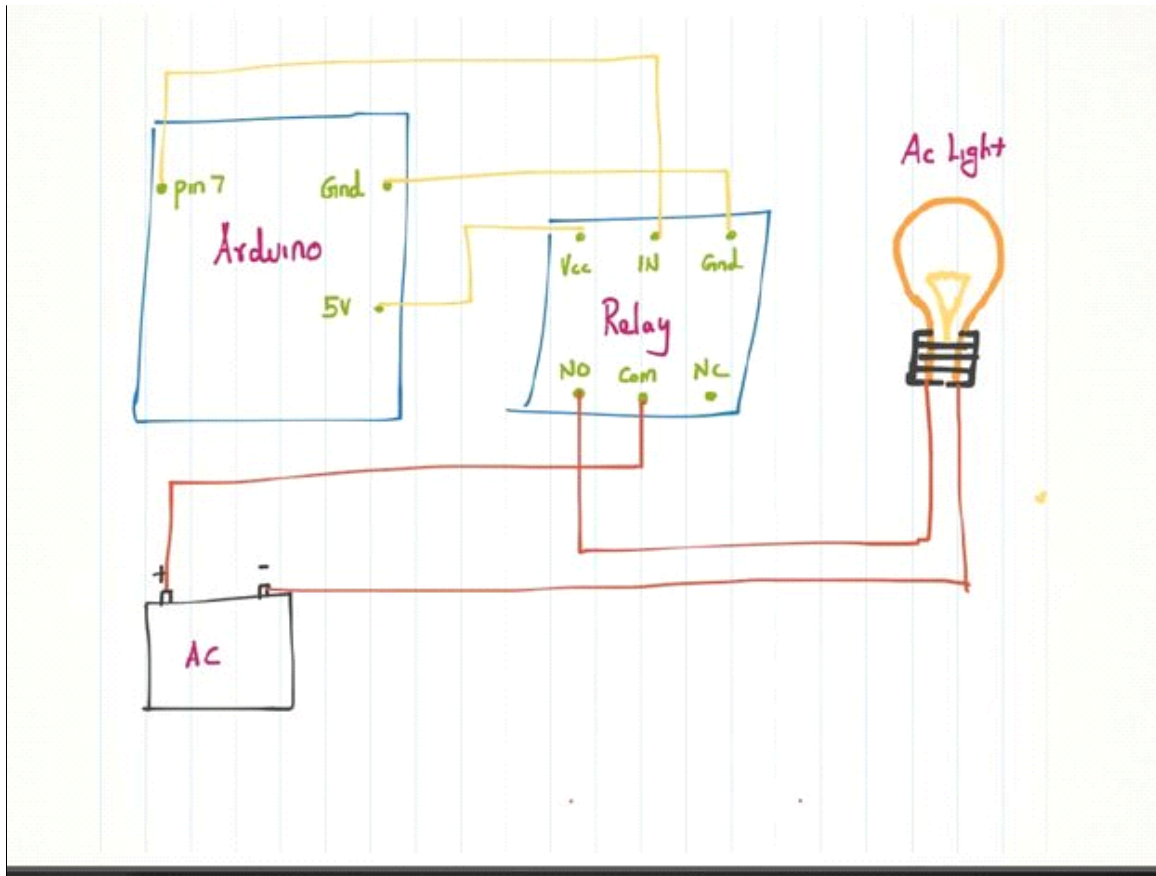
It's also used with arduino to make it able to deal with HIGH volt devices like controlling a lamp works on 220v

relay   is a switch affected by electronic magnet

like that :

Schematic :

Code :

note:- using relay with lamp works on 220v makes the arduino controls it like it controls a single led

sketch_sep19a §

```
#define lamp 7
void setup() {
  // put your setup code here, to run once:
pinMode(lamp,OUTPUT);
}

void loop() {
  // put your main code here, to run repeatedly:
digitalWrite(lamp,HIGH);
delay(500);
digitalWrite(lamp,LOW);
delay(500);
}
```