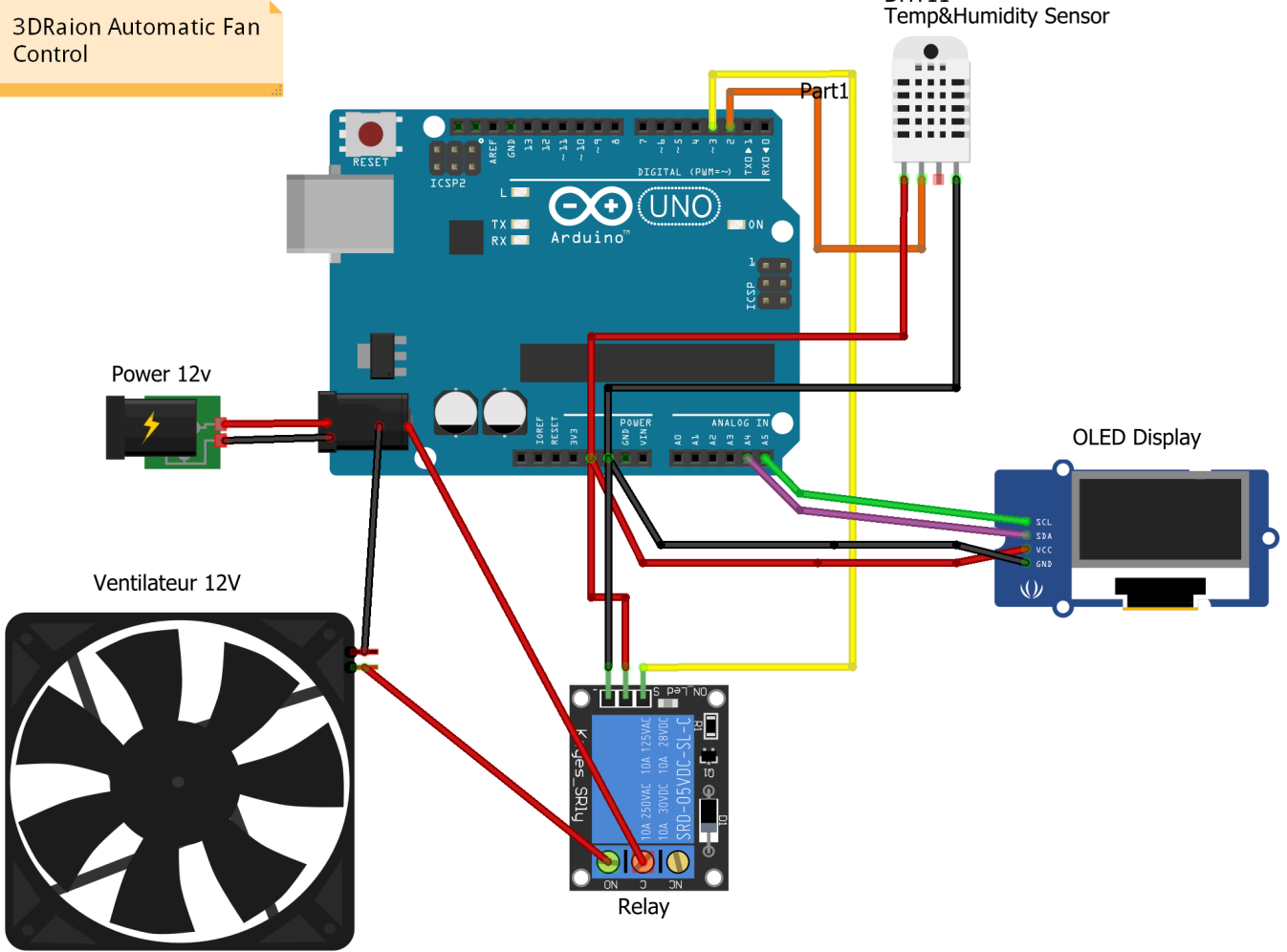


Raion Automatic Fan Control

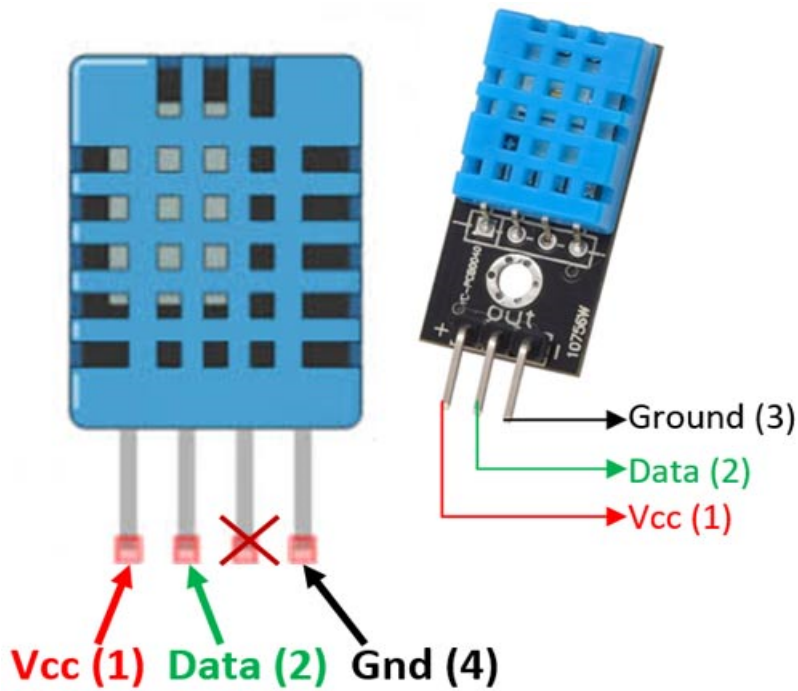
Diagram



fritzing

1. Arduino <---> DHT11

There are 2 types of DHT11 sensor : 4 pins and 3 pins. Here are the informations on the pins :



- VCC(1) ---> Arduino 5V
- DATA (2) ---> Arduino PIN 2
- GND (4) ---> Arduino GND

2. Arduino <----> OLED

- VCC ---> Arduino 5V
- GND ---> Arduino GND
- SCL ---> Arduino A5
- SDA ---> Arduino A4

!!! Be careful OLED pins positions are not the same on different versions

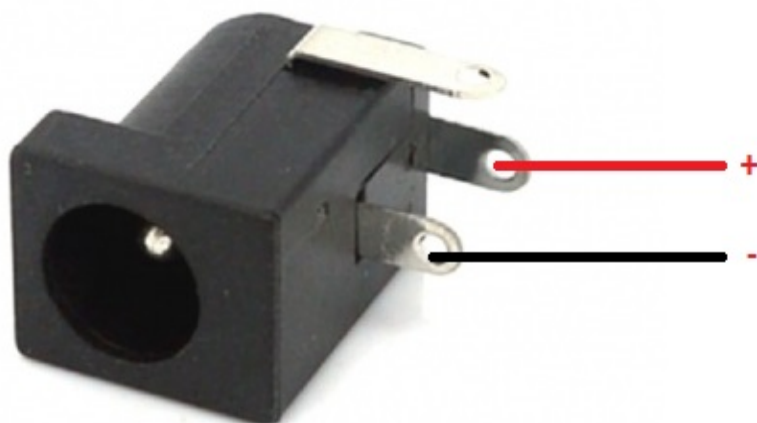
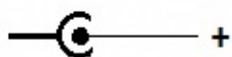
3. Arduino <----> Relay

- VCC ---> Arduino 5V
- GND ---> Arduino GND
- S (Signal) ---> Arduino PIN 3

4. Power <-----> Fan <----> Relay

Detail about power input jack :

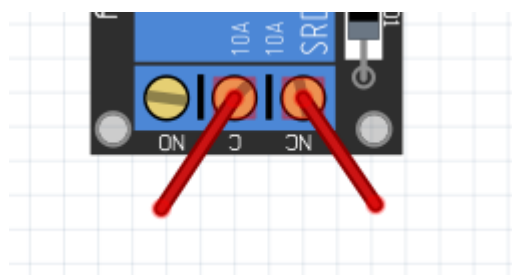
Verify polarity on the power adapter that have (+) inside and (-) outside



- Power Neutral ---> Fan Neutral
- Power Line ---> Relay C
- Relay NC or NO ---> Fan Line

Depends on which behavior that you want :

- **always ON**



- **always OFF**

