Any circuit needs 3 ports

+ Source

+ Load

+ Wires

In any circuit we have 3 conditions:

+ Closed-circuit (turn on)

+ Opened-circuit (turn off)

+ Shorted-circuit (making shorting point 🡪 dung con duong it can tro nhat de di)

Circuit-breaker 🡪 Cau dao

Source overload 🡪 I = 220/0 = go to infinity

How to use DC adjust?  
- Voltage to adjust

* Current is to adjust Ampe🡪 Mean the max current to output (0.3A for led)
* **Current 0.5 A is enough for all the lab** (Always remember for all)
* Independent Source
* 0.02A show tren dc adjust y nghia **la tong het dong dien trong mach** la 0.02A
* Constant Current when dong dien chay ra toi da 🡪 may co che do bao ve nen se limit lai dong dien toi da va constant dong dien
* Khi short circuit (C.C) 🡪 thi no se bi constant current, Voltage giam,

How to use DMM? – Digital Multimeter

* Dung de do thong so dien
* Do vol, ampe, watt, dien tro
* Sai mV khi biet dien ap chac chan nho hon 1000mV
* Do dien tro cua bat cu cai j thi phai thao dien tro ra khoi mach
* Dien ap hieu dung cua dien nha minh la 220V bang ½ so voi dien ap dinh
* Khi dung mA khi biet chac no nho hon 500mA
* Dong dien thi do noi tiep, do nguon thi mac song song

Power rating: 1/4W = 0.25W

It is many like: ¼, ½, 1, 2, 5W …

Voltage drops across Vled = 2.5V

Voltage between Vr = 2.7V

Current flows through resistor Ir = 29.4mA