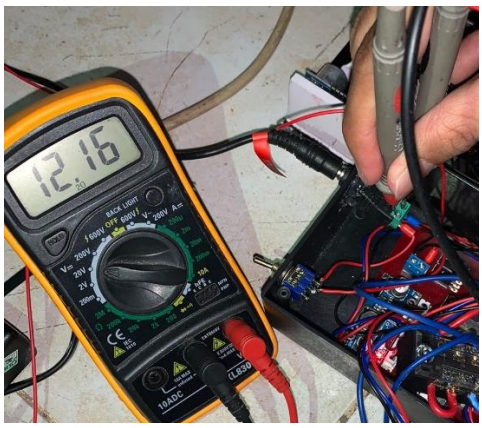
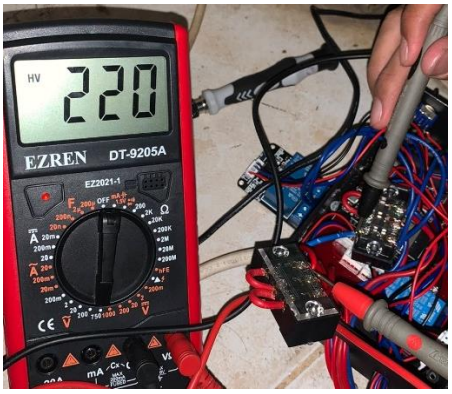
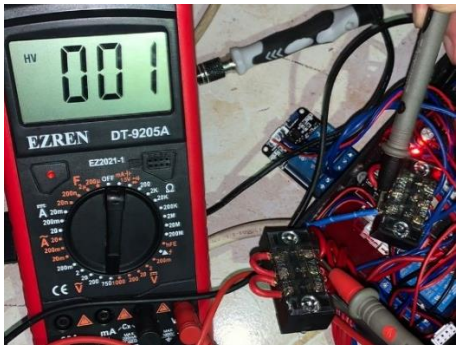
LAMPIRAN

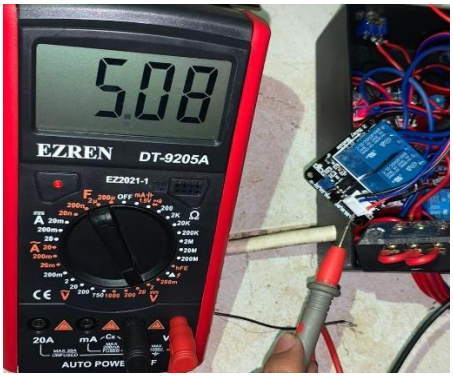
Pengukuran Tegangan Pada Adaptor



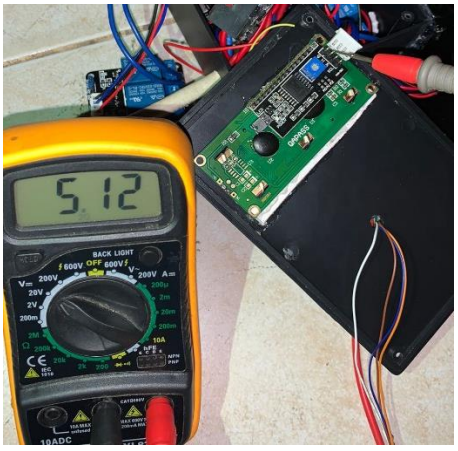
Pengukuran Tegangan Pada Relay

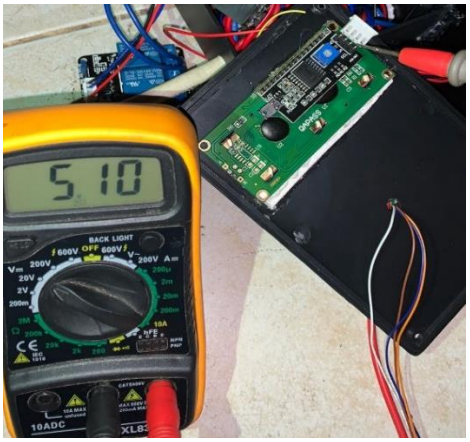


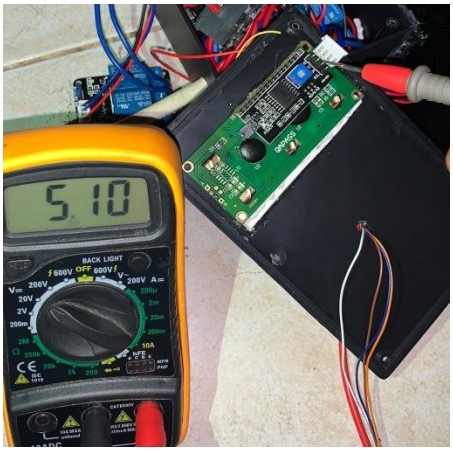




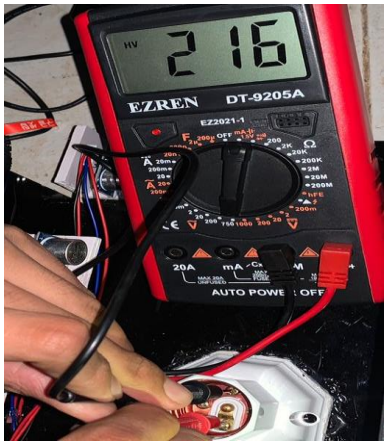
Pengukuran Tegangan Pada LCD I2C



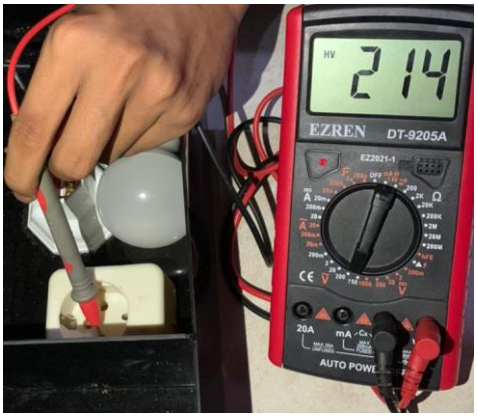




Pengukuran Tegangan Pada Lampu

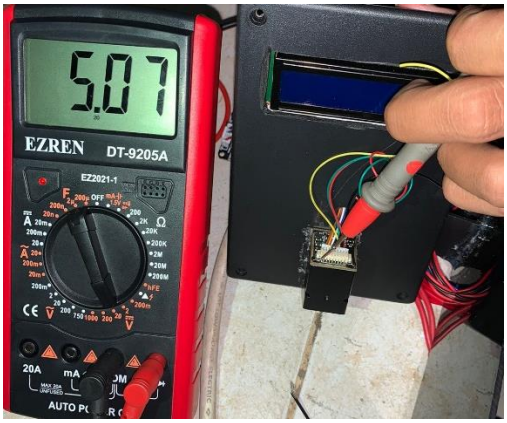


Pengukuran Tegangan Pada Stop Kontak



Pengukuran Tegangan Pada Selenoid *Door Lock*

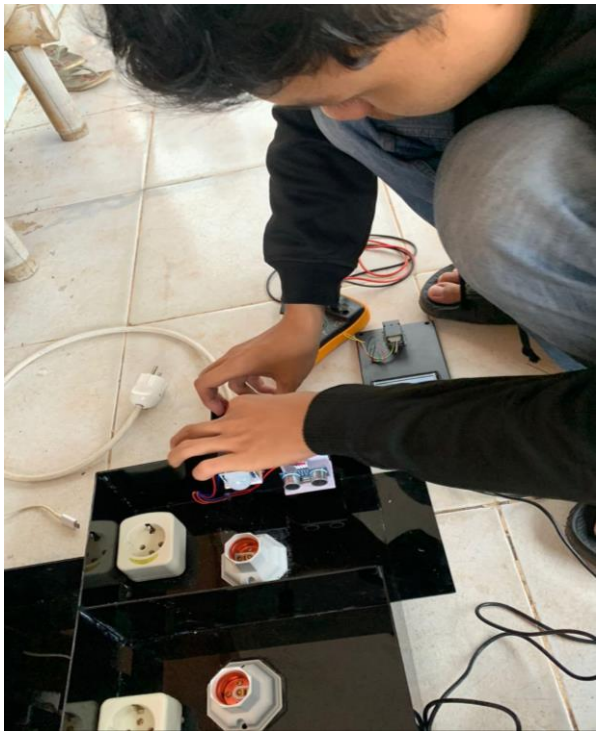
Pengukuran Tegangan Pada Sensor

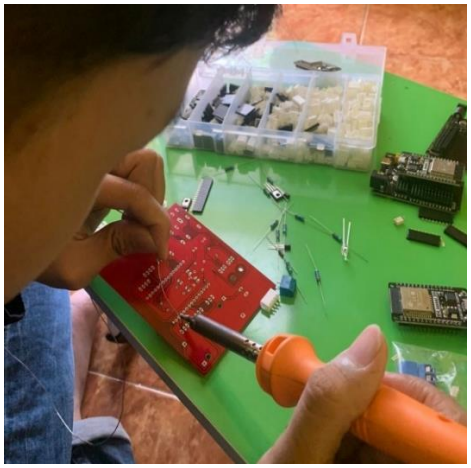


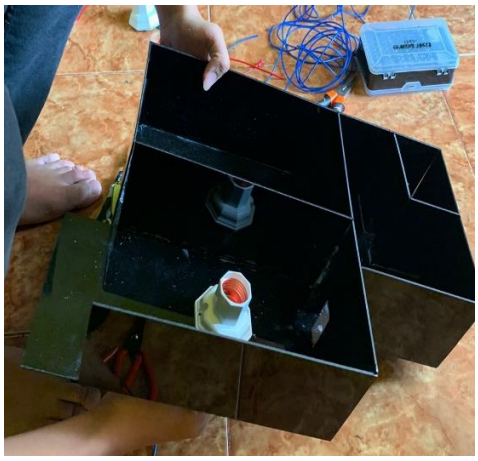
5.09
EZREN
DT-9205A
EZ2021-1

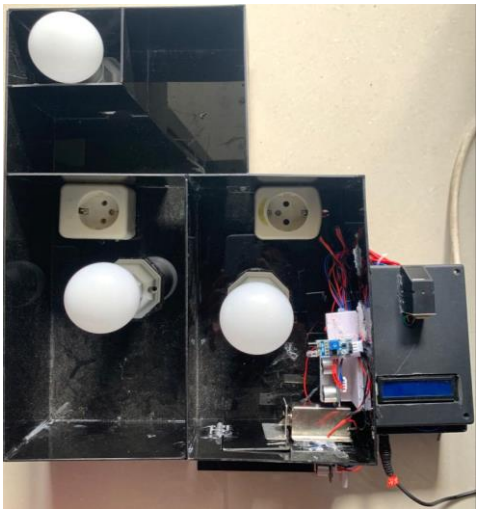
5.09
EZREN
DT-9205A
EZ2021-1

5.09
EZREN
DT-9205A
EZ2021-1
20A
mA

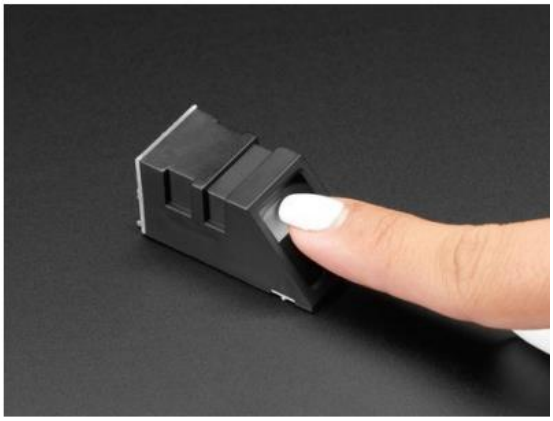








Sensor Fingerprint AS608

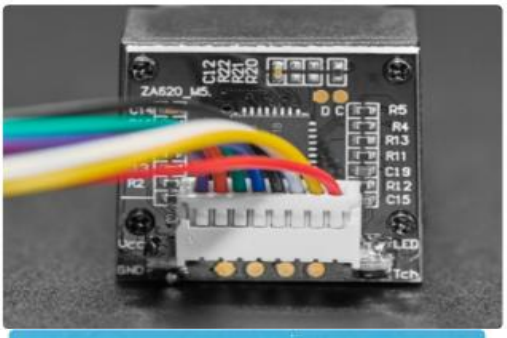


Secure your project with biometrics - this all-in-one optical fingerprint sensor will make adding fingerprint detection and verification super simple. These modules are typically used in safes - there's a high powered DSP chip that does the image rendering, calculation, feature-finding and searching. Connect to any microcontroller or system with TTL serial, and send packets of data to take photos, detect prints, hash and search. You can also enroll new fingers directly - up to 162 finger prints can be stored in the onboard FLASH memory.

We like this particular sensor because not only is it easy to use, it also comes with fairly straight-forward Windows software that makes testing the module simple - you can even enroll using the software and see an image of the fingerprint on your computer screen. But, of course, we wouldn't leave you a datasheet and a "good luck!" - we wrote a full Arduino library so that you can get running in under 10 minutes. The library can enroll and search so its perfect for any project (). We've also written a detailed tutorial on wiring and use (). This is by far the best fingerprint sensor you can get.

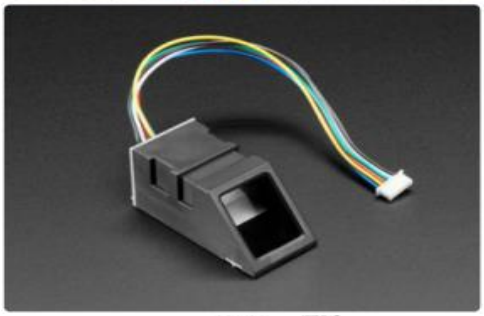
- Supply voltage: 3.6 - 6.0VDC
- Operating current: 120mA max
- Peak current: 150mA max
- Fingerprint imaging time: <1.0 seconds
- Window area: 14mm x 18mm
- Signature file: 256 bytes
- Template file: 512 bytes
- Storage capacity: 162 templates
- Safety ratings (1-5 low to high safety)
- False Acceptance Rate: <0.001% (Security level 3)
- False Reject Rate: <1.0% (Security level 3)
- Interface: TTL Serial
- Baud rate: 9600, 19200, 28800, 38400, 57600 (default is 57600)
- Working temperature rating: -20C to +50C
- Working humidy: 40%-85% RH
- Full Dimensions: 56 x 20 x 21.5mm
- Exposed Dimensions (when placed in box): 21mm x 21mm x 21mm triangular
- Weight: 20 grams

If your fingerprint sensor has individual socket wires (its this one) () then use the following wire setup:

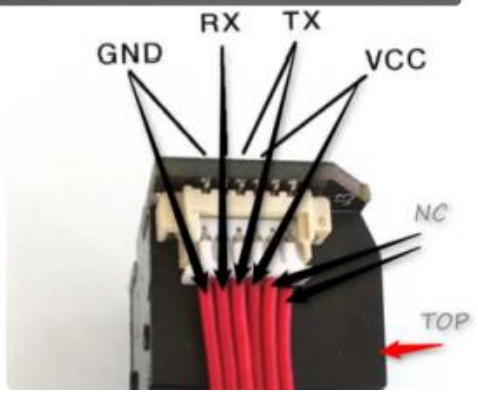


Red Wire to 3.3V
Yellow wire is Serial TX
White wire is Serial RX
Black wire is ground

If your cable has a single slim connector on the end and has different color wires:



The first wire from the left should be the black wire ground
then the two data pins: Serial RX is the white wire
Serial TX is the green wire
Then the red power wire (3 or 5V)
You'll have to cut, strip and solder the wires.



If your sensor is an older one and has all the same-color wires, The first wire from the left is ground, then the two data pins, then power. You'll have to cut, strip and solder the wires.

RX is the same as the White wire
TX is the same as the Green wire