

MATERIAIS NECES

ESP32 <https://www.amazon.es/KEYESTUDIO-Desarrollo-Compatible-BL>
Raspberry pi 400: <https://www.amazon.es/Raspberry-Modelo-Cortex-A7>

DHT11: <https://www.amazon.es/AZDelivery-KY-015-M%C3%B3dulo-tem>

Sensor luz: <https://www.amazon.es/M%C3%B3dulo-Fotosensible-detec>

Sensor PIR: <https://www.amazon.es/AZDelivery-ultras%C3%B3nico-hc-S>

botón: <https://www.amazon.es/AZDelivery-pulsador-M%C3%B3dulo-Inte>

relé: <https://www.amazon.es/ARCELI-KY-019-M%C3%B3dulo-Shield-arc>

Ventilador: <https://www.amazon.es/GeeekPi-ventiladores-refrigeraci-siler>

LED RGB: <https://www.amazon.es/BTF-LIGHTING-aleaci%C3%B3n-WS>

◦ Servo: <https://www.amazon.es/Queta-Airplane-Helicopter-Control-Remo>

◦ Zumbador: <https://www.amazon.es/M%C3%B3dulo-zumbador-Keyestu>

LCD 16x2: <https://www.amazon.es/Freenove-Display-Compatible-Arduir>

Cables: <https://www.amazon.es/Macho-Hembra-Macho-Macho-Hembra->

Alimentación Raspberry: <https://www.amazon.es/Raspberry-4596-1873>

Alimentación ESP: <https://www.amazon.es/cargador%C2%AE-Adaptad>

ARIOS E LIGAZÓNS

uetooth-Arduino/dp/B0BHZ8H6LM/ref=sr_1_1?__mk_es_ES=%C3%85M%C3%85%
2-1-50GHz-Bluetooth/dp/B0CJ4XHZ4G/ref=sr_1_1_sspa?__mk_es_ES=%C3%85M'

peratura-incluido/dp/B089W8DB5P/ref=sr_1_1_sspa?__mk_es_ES=%C3%85M%C

si%C3%B3n-Fotorresistencia-Arduino/dp/B00VUQ6CU0/ref=sr_1_18?__mk_es_ES=

3R04-tel%C3%A9metro-Raspberry/dp/B07V6BY66P/ref=sr_1_1_sspa?dib=eyJ2IjojM

erruptor-Arduino/dp/B07DPSMRJ6/ref=sr_1_1_sspa?__mk_es_ES=%C3%85M%C3%

duino/dp/B07BVXT1ZK/ref=sr_1_5?__mk_es_ES=%C3%85M%C3%85%C5%BD%C

nciosos-ventilador/dp/B0CL41RG93/ref=sr_1_8?__mk_es_ES=%C3%85M%C3%85%

32812B-disipador-incorporado/dp/B088K8DVMQ/ref=sr_1_42?crid=PFSUIC77Z9BG

cto/dp/B07MPPF5CS/ref=sr_1_1_sspa?__mk_es_ES=%C3%85M%C3%85%C5%BI

idio-ks-019-Arduino-Raspberry/dp/B077JZB12Z/ref=sr_1_1?__mk_es_ES=%C3%85

io-Raspberry/dp/B0B76YGDV4/ref=sr_1_3_sspa?__mk_es_ES=%C3%85M%C3%8!

.Hembra-Prototipo-Protoboard/dp/B01NGTXASZ/ref=sr_1_1_sspa?__mk_es_ES=%

425/dp/B07TMPC9FG/ref=sr_1_6?__mk_es_ES=%C3%85M%C3%85%C5%BD%C

or-alimentaci%C3%B3n-Reemplazo-AD-1-AD-1UL/dp/B078RTSCH7/ref=sr_1_31?__

5%BD%C3%95%C3%91&crid=1MCGB7IZI63UL&keywords=keyestudio+esp32+w
%C3%85%C5%BD%C3%95%C3%91&crid=1ULLTESRMC617&dib=eyJ2ljojMSJ9.l

3%85%C5%BD%C3%95%C3%91&crid=3LP2MG7IXVATF&keywords=dht11&qid=1

:%C3%85M%C3%85%C5%BD%C3%95%C3%91&crid=22WX5P64TV9KI&keyword:

ISJ9.OVOMUkHRuXg_JM8v5-QgpdxREQSODBf2o3JfkZdukGG9NRyzqcWbji3SLNM

%85%C5%BD%C3%95%C3%91&crid=225NSS0WSYIRY&dib=eyJ2ljojMSJ9.He5ruI

3%95%C3%91&crid=K2Y41VDAZUO0&dib=eyJ2ljojMSJ9.aLr9rUAXO6XYld128fwZ

%C5%BD%C3%95%C3%91&crid=15PKYPZ2ATUNX&dib=eyJ2ljojMSJ9.wLP8TSBC

&keywords=led+rgb+ws2812b&qid=1682316198&sprefix=led+rgb+ws%2Caps%2C1

3%C3%95%C3%91&crid=362Z9IFL9XFKX&keywords=servo+9g&qid=1682316238&

M%C3%85%C5%BD%C3%95%C3%91&crid=3BNC0I1HF03UE&keywords=buzzer-

5%C5%BD%C3%95%C3%91&crid=3HLZI6W2SGQK6&keywords=lcd+16x2&qid=16

C3%85M%C3%85%C5%BD%C3%95%C3%91&crid=3OEHZBO01KX01&keywords=

:3%95%C3%91&crid=22G5NR8YLANA8&keywords=fuente+alimentacion+raspberry,

.mk_es_ES=%C3%85M%C3%85%C5%BD%C3%95%C3%91&crid=3GYMG4ONWS

rover&qid=1682315390&sprefix=keyestudio+esp32+wrover%2Caps%2C92&sr=8-1
JNOKPIcoES4JZ8NOOeJ3NvhxhLPrQZmPMIEysE54WLj5cQ2CnZJ1TAR6has95-AI

682315691&sprefix=dht11%2Caps%2C107&sr=8-1-spons&sp_csd=d2lkZ2V0TmFtZ
s=sensor+luz+arduino&qid=1682315731&sprefix=sensor+luz+arduino%2Caps%2C1
/Ayr56VVCmAP-jbhCpDGYayuiiceH5-hrwUpF-ha9dEpukQ0UgDdISSJ_ZMRAjh5uK
VnKMhICfkKPsttwuRs8nZLJ93Gcpt3jmhJY6xwgp2UmxSBCEXA8teLyY4LI5sNWO
UAIR4z8v1II7Qka3B8bqKkVWdVXx0eSJMs05Nq9xBvkdAzbkUHzQZHAZSf_tJ-RLd:

YPq-cmPMs4d9Olon_OB0hNGVCHG-2__7GbCpJD4wYXB9gvddETVGqZ9ZjFPum3
07&sr=8-42

zsprefix=servo+9g%2Caps%2C106&sr=8-1-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9h
+pasivo+keyestudio&qid=1682316305&sprefix=buzzer+pasivo+keyestudio%2Caps%
i82316367&sprefix=lcd+16x2%2Caps%2C104&sr=8-3-spons&sp_csd=d2lkZ2V0TmF
=cable+arduino&qid=1682316419&sprefix=cable+arduino%2Caps%2C102&sr=8-1-s

&qid=1682316533&sprefix=fuente+alimentacion+raspberri%2Caps%2C119&sr=8-6
310X&keywords=fuente+alimentacion+7%2C5v&qid=1682316586&sprefix=fuente+al

-fFMW7XjF5a8dWOHW4EZAvyeo4Xmtk6Fj0GjRgRhkPH-CoSiecRMqz5JCvcJYbfxN

.T1zcF9hdGY&psc=1&smid=A1X7QLRQH87QA3

16&sr=8-18

.UhNe4A_HRhf_WHRcJQjdvMt2pcZNoPLq50xx9QVibNmK2uH34ITyZT2d3xtHU91T

Y7vXaOjZi9_2l5qsnC9JsUiVFg8aUtwTJTT2oOd6k0jl_Ntt-3O8Qa6EePaQyfRpZ_IsR

2Fp-l6eRoAFVwEnDYn7NuAY72Oe7cNBHuGmR26uONZ7x6l31zZHI_IHSIEwNqui4

eSQ8lAag8pz0uhIPVpFHxKaSDimw79QckVcMJeK2EGKqBfyAAQkY9ymRZeLHAM

idGY&psc=1

2C120&sr=8-1

7tZT1zcF9hdGY&psc=1

pons&sp_csd=d2lkZ2V0TmFtZT1zcF9hdGY&psc=1

imentacion+7+5v%2Caps%2C109&sr=8-31

IBUeMcaBYaR4fvd-0LFk28x6XO9G-oh_ay71IYRZ30qCjTwVHNkeJuXPkngLjwSkVs

pWCruq07Us4dSj-SZk6_8948bYZeK6o9LREvyTMgVmb-avHj2GuP4tD2nvR97RyLL

!6bNuJoykqrsT9RK-bvF9OTk0oNgnBfD2_dMKqmkutmoSoJ33fFsYUIJcLXVXnMd0I

OwzplMF4VI54uD4NIF44fNEp1rPSv-dA7Gu9nHPhV1t98iDeHucK4RvqzQx6pQCzO

/IIY1AJM-PCFgD52sG3HZcILEjkHjbDLXC5BzQBoBR7HeVzlaF0aEmbXp73ipeGYP;

WE_iITAWRC6clFU8gZqq31Q4lbscOQ23GR6QoTpbLIRNcPENAP_UDTVhT7wwZk

.ejZtMHm9X7xRxjw1Qi6w1Oj4EUhbx4vq5VnzKRzAxQMRp4.gR-8BSsgexgv7D45Ry

CSYJFxaGPNxRfJpO0izDqk_hk4NCPb4dysVTfJys63fg2pCIVpPaX8pU3FVIEqSL9

0CDIF3ZyzaBxOqCnUyN9iipo5RSAOP6_YBDcU5wo5xFwLEb2KWyGOg_nG65yzL

3p6Y4t4fP8TVKT0slTbw4a9-f7N9IZpbY_8YJvSMkpJbCGth5x3Nz9McDQ1lIQsipbdP

AKvZyU0HPGAUgJBwNy9faqk_DoWli_6fz5R2k-ok3wSk.AoL3tDrEU7ozJNRz026VI

m8K0cUS3w2tCTRI3t86WOf3gk&dib_tag=se&keywords=sensor+pir+arduino&qid=1

OTZ74tbuq8LM-wj-v9rvpozsiB_Etw.HRIbzXn2brT2ytlACpwg954mgGfgvcMDCe5dG`

Az5xTL4KilkbOVozQeztoQ.scmPjny6zcZmbvsGKMjmO7_bpfu4yg9JAASYkz7-wIU8

vXwCkIDfUpuAsnEGpQJzpHIPiRgXDrffZsLnM.IoAhz3moP6dUwewQCooZdgB23yB

Rx7qtsVU4u6_9jqdXcws9F0&dib_tag=se&keywords=raspberry+pi+4&qid=17168963

.716896456&sr=8-1-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9hdGY&psc=1

YfofVk&dib_tag=se&keywords=boton+arduino&qid=1716896509&sprefix=boton+ardu

&dib_tag=se&keywords=rele+arduino&qid=1716896568&sprefix=rele+arduino%2Ca

tvLVxq_kwi4r62vs&dib_tag=se&keywords=ventilador+5v+raspberry&qid=171689660

397&s=computers&sprefix=raspberry+pi+4%2Ccomputers%2C98&sr=1-1-spons&sp_

lino%2Caps%2C134&sr=8-1-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9hdGY&psc=1

ns%2C113&sr=8-5

04&sprefix=ventilador+5v+raspberry%2Caps%2C104&sr=8-8

Folla1

[_csd=d2lkZ2V0TmFtZT1zcF9hdGY&psc=1](#)

MATERIAIS NECESARIOS E LIG

Direccións e enlaces

Raspberry Pi 400
ESP32
Sensores:
DHT11
Sensor de luz
PIR
Botón
Actuadores:
Relé
Ventilador
LED RGB
Servo
Zumbador
Visualizadores:
LCD ou OLED
Fonte de alimentación:
Alimentación Raspberry
Alimentación ESP
Conectores:
Cables dupont M-F e F-F

AZÓNS