



FABFARM ALGARVE

Irrigation/Green house Automation

Fabacademy 2020
Project by:
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RELAYS



Milled enclosure



Input&Output

humidity/temperature sensor
Relay/valve pump control

Fabrication

CNC Milling
Molding/casting

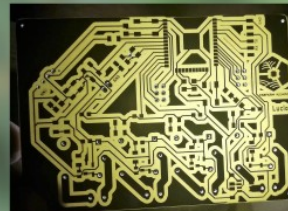
Materials

Valcromat MDF
Electronics components
PCB
wires

ESP32



CNC PCB



Tech Specs:

- Webinterface
- ESP32
- 4 Relays
- Optoisolation
- extra pins
- humidity
- temperature
- battery level

Web Interface



FABFARM ALGARVE

Farm Time: Sunday, June 28 2020 16:49:24

28.60 °C Humidity 58.00 % Battery 10 %

Irrigation System

Manual ☐ Automatic

Zone: Fruit Tree (pin 27)

Time 1 01:01 AM

Zone: Vegie Garden (pin 26)

Time 1 02:02 AM

Zone: Cypress Hill (pin 25)

Time 1 03:03 AM

Time 2 03:03 AM