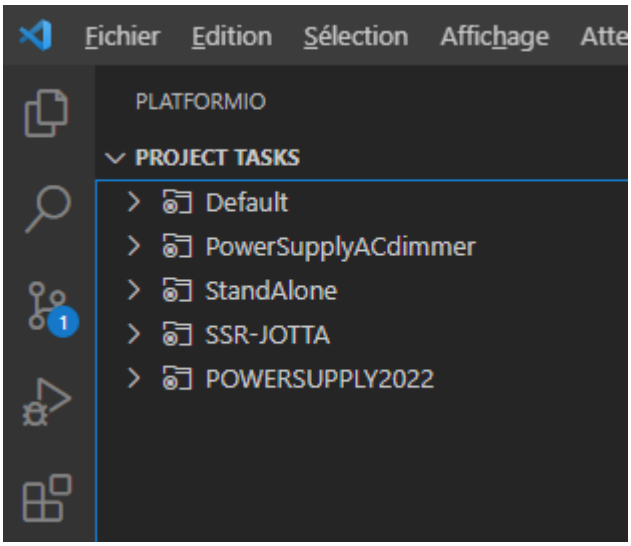
03 - USB code upload

Uploading is done with Visual Studio Code (VS) using the PlatformIO tab



During your 1st Upload, you must plug in your ESP, wemos or TTL/USB adapter for programming

There are different versions available depending on what you are using as a dimmer.



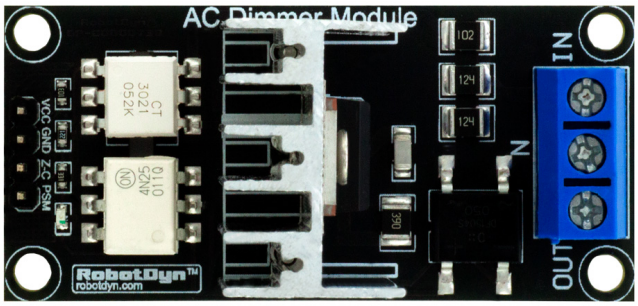
1. **PowerSupplyACdimmer** is used for old version of Robotdyn dimmer,
   this is the easiest version to install, it was compatible with the daughterboards supplied with the PV router V1.2 TTGO
   the recommended maximum power is 5A (and not 8A as indicated by the manufacturer)
   (D0 and D1(zc) are used)
   the Dallas probe uses D2

RobotDyn



2. **StandAlone** is used to later add a Robotdyn dimmer to your ESP.
   there are different versions supporting more or less power,
   on the smallest pod, the maximum recommended power is 5A (and not 8A as indicated by the manufacturer)
   on the 16A model, I think you should not exceed 12A -> ~2500W (to be tested)
   (D5 and D6(zc) are used)
   The Dallas probe uses D7

RobotDyn



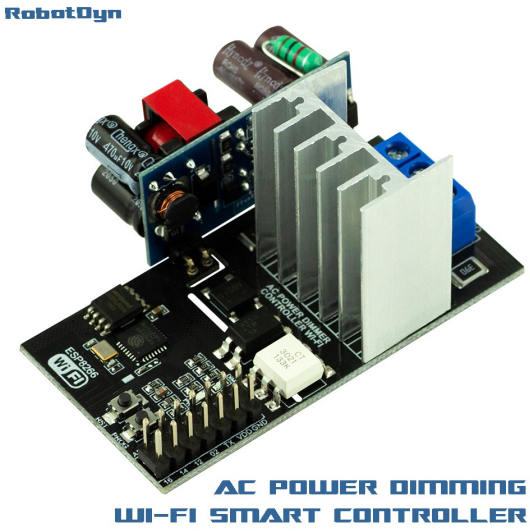
28.5mm(1.12")x57.0mm(2.24")

3. SSR-JOTTA is used to live control an SSR The - connects to the GND and D4 to the + of the Jotta
   The Dallas probe uses D2

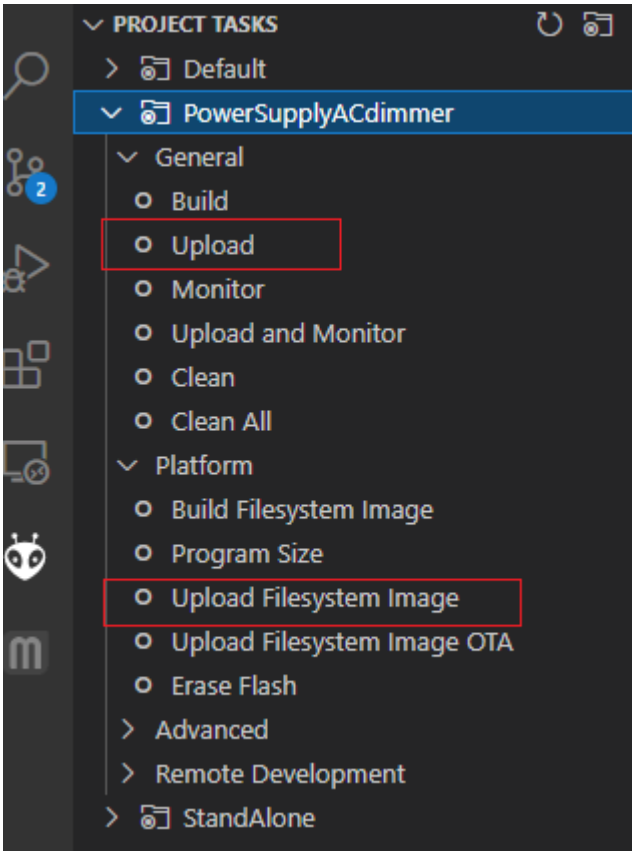


4. **POWERSUPPLY2022** is for the 2022 version of the Robotdyn dimmer.
   it requires a TTL adapter for the 1st programming.
   the jumper between vdd and 3.3V must be removed during TTL programming
   then put back when connecting the assembly to the 220V

   The Dallas probe uses pin 14 - GND at 16 and 3.3v at 12



Once the version has been chosen, thanks to VS you will load the firmware and the HTML pages of the router into the microcontroller



Then you can directly upload the code remotely with the /update page of the router

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Revision #2
Created 2022-06-11 15:39:52 UTC by Cyril
Updated 2022-06-11 15:42:52 UTC by Cyril