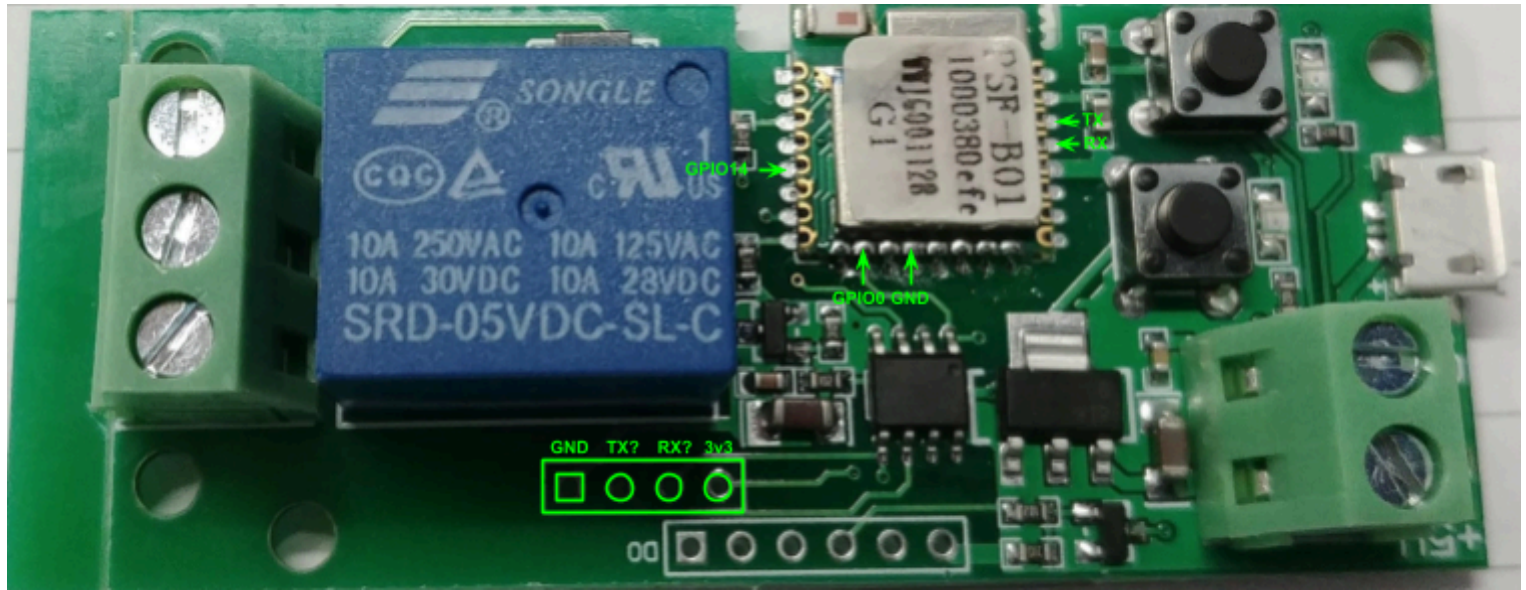


I've managed to figure out the pinout for the PSF-B01 with some help from this post

<https://github.com/arendst/Sonoff-Tasmota/issues/453> .

Link to pinout photo: <https://drive.google.com/file/d/1n18C2IH1T7sLvhs4fjotiGimEKurmPTp/view?usp=sharing>



For programming purposes I've soldered some pins to the TX, RX, GPIO0 on the ESP8266 module, then GND and 3v3 on the board below the relay. GPIO14 also has a pin soldered on for data from the DHT22 sensor to be used later on.

Flashing ESPurna firmware

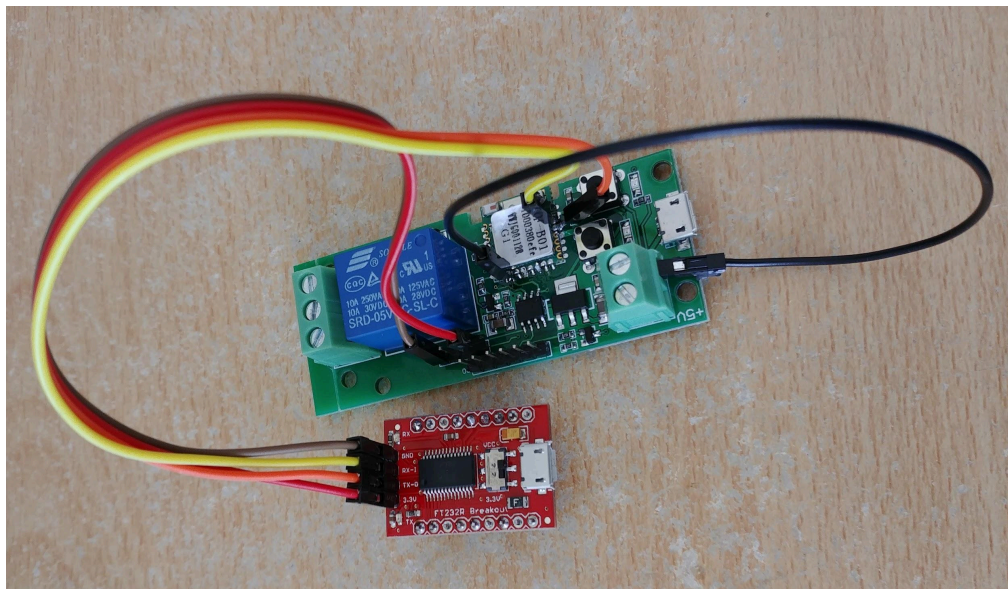
As I was having issues getting the board into flashing mode using the button , I connected GPIO0 to the ground terminal of the 5V power input. This way, the board goes straight into flashing mode as soon as it's powered up. The connection to the serial breakout is the same as for the 5/12V version:

TX -> RX
RX -> TX
3v3 -> 3v3
GND -> GND

[The flashing procedure from the post](#) worked like charm. All wires, including GPIO0 to GND can be removed after removing the power source (serial breakout USB).

Link to photo of wiring for flashing:

<https://drive.google.com/file/d/1dJ9D7yrKqrx5u6alTT1oC4SgINOJpqA7/view?usp=sharing>



Connecting the DHT22 sensor

The connections are just as for the 5/12V model.

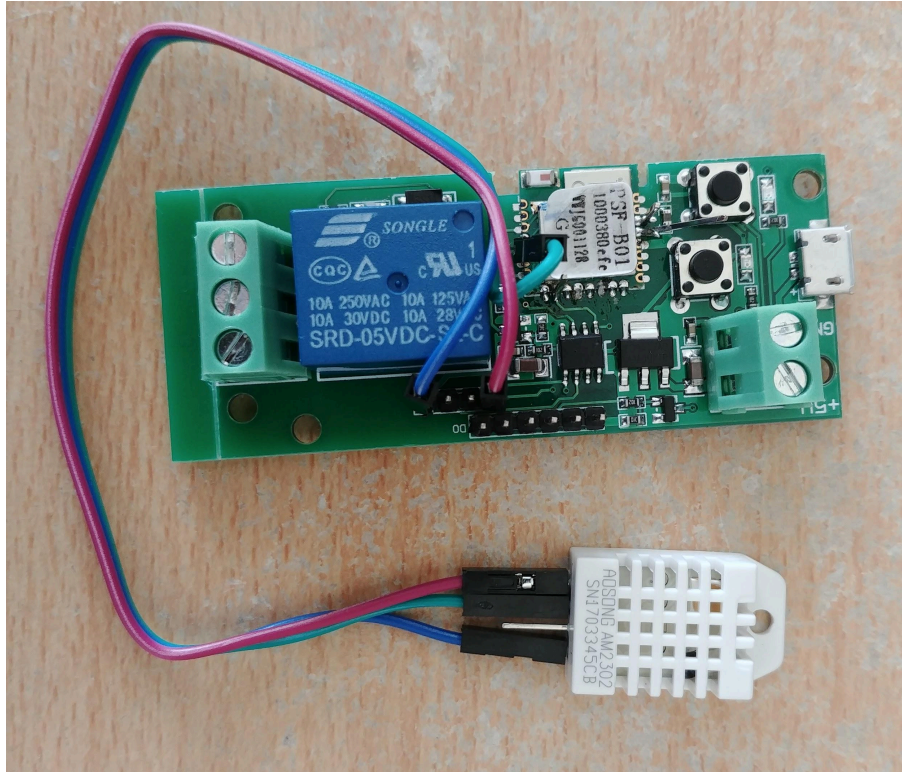
GPIO14 -> DHT22 Data pin

3v3 -> 3v3

GND -> GND

Link to photo of wiring for DHT22 sensor:

<https://drive.google.com/open?id=1mZg6ODTn3uSzEGeHrhu2-KJlpYWbJP4g>



And voila, we have a working setup.