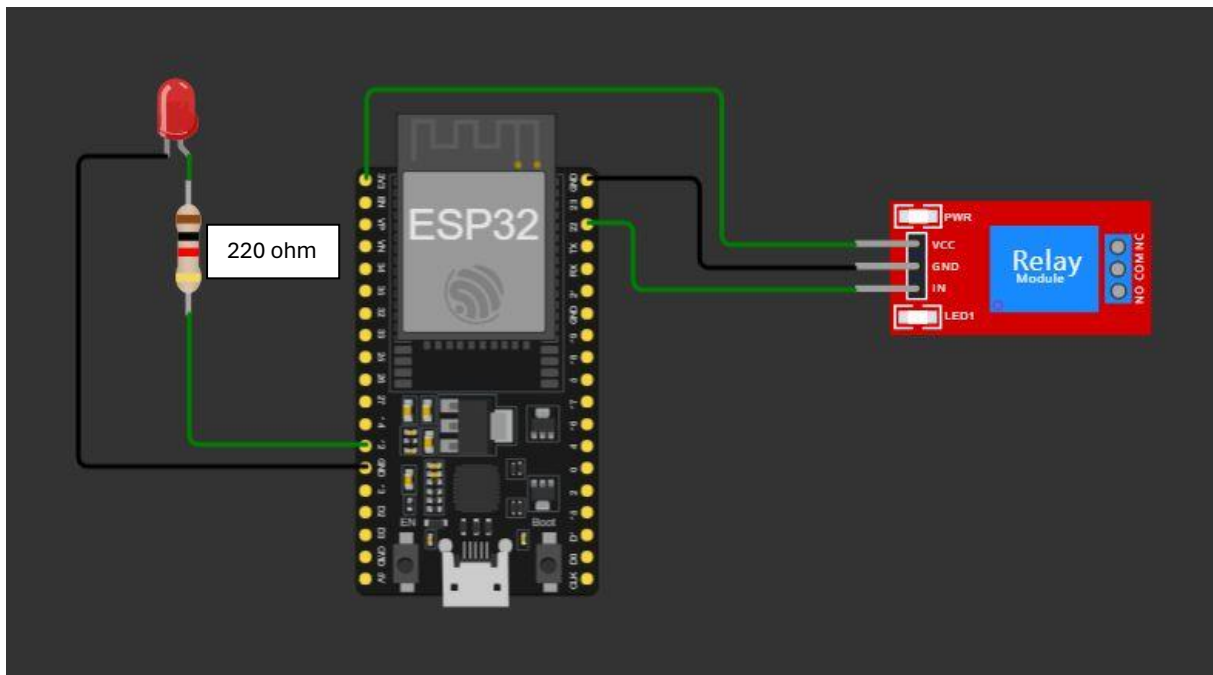


HOW TO MAKE ONE ?

Find here the instructions to make your own metronome replica and synchronise it with the ticking of the master metronome.

PLANKTIJD runs on an ESP32 board and uses WIFI to synchronise with master metronome. A 3.3 volt relay is used to generate a soft “tick” and can be used to control a ticker of any kind.

Optional, you can connect a LED as shown in the picture.



The LED is between PIN 12 and ground with a resistor of 220 ohm in series.

RELAY with + & - connected to the + & ground of the ESP32 board.

The IN of the relay board with PIN 22 of the ESP 32 board.

I advise to use **Thonny** (<https://thonny.org/>) to program the ESP32 controller.

Install **micropython** on the ESP32.

Follow these steps:

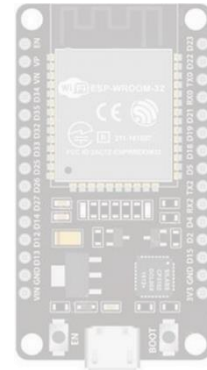
<https://randomnerdtutorials.com/getting-started-thonny-micropython-python-ide-esp32-esp8266/>

Load the **settings.py** and **boot.py** file from <http://planktone.be/planktijd/DIY.html>



PLANKTIJD

<http://planktone.be/planktijd>



cut out
for USB

PLANKTIJD

<http://planktone.be/planktijd>

Make your own metronome replica

Print, cut, fold and glue

Keep it ticking ...