Switch on/off an aquarium lamp using an arduino uno

This project was created to be used by anyone who needs to automatically control the lamp of an aquarium. I assume you already have an automatic feeder (the fish thank you). You can program the feeder to operate at times when the aquarium lamp is on.

The lamp is controlled by the relay JQC-3FF-S-Z connected to pin 8 of the arduino (you can also use another relay).

You can power the arduino in different ways. I connected with a 12 V power supply.

The image below is just a representation, it is not faithful to the modules I used in the project.