

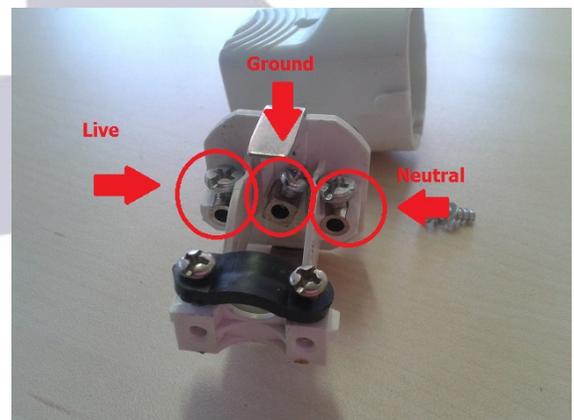
# Setting up a Firefly

## Wiring a standard plug

Probably the most versatile way is to wire a male / female plug couple:



We'll be using an europlug here but any local version is very similar. Let's open the male plug:

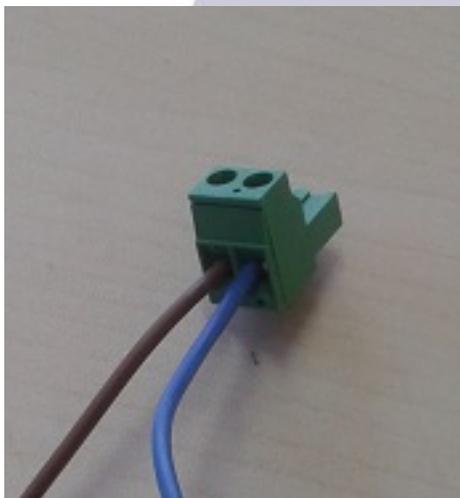
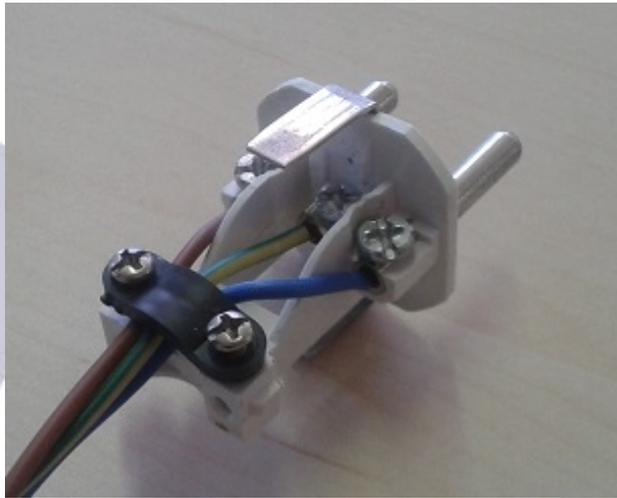


We'll notice 3 terminals; one of them is for the ground (connected to the outer tab of the plug) and the other two carry the actual current.

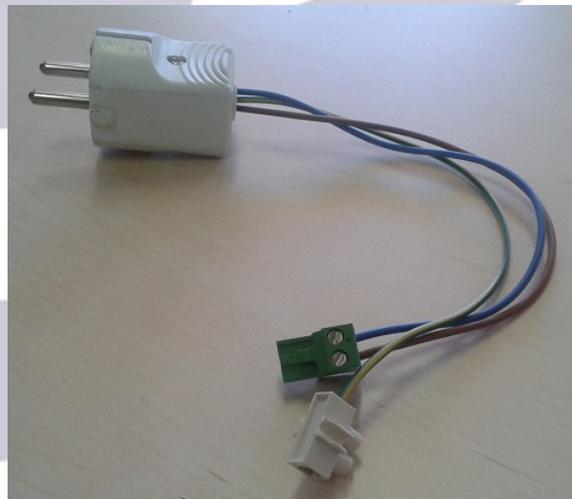
With europlugs there's no way to differentiate which wire is neutral and which is live – if your local plug system allows you to know which is which, wire the neutral one to the “com” input in the Firefly.

Let's wire the plug:

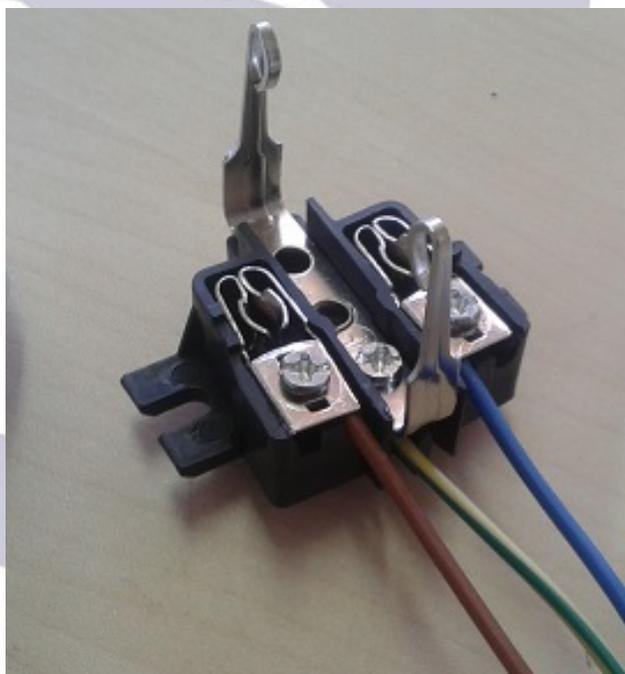
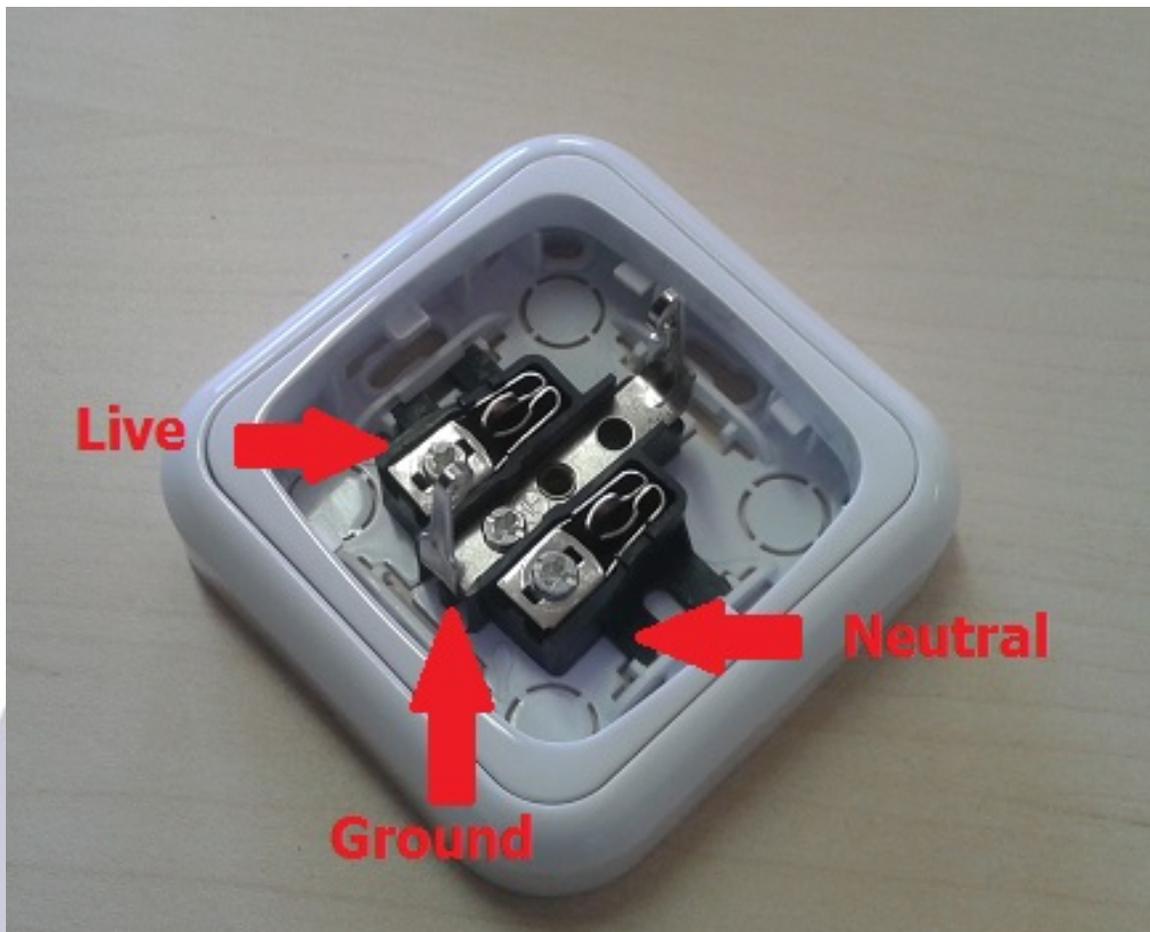
... and the other side using one of the Firefly's terminal block:



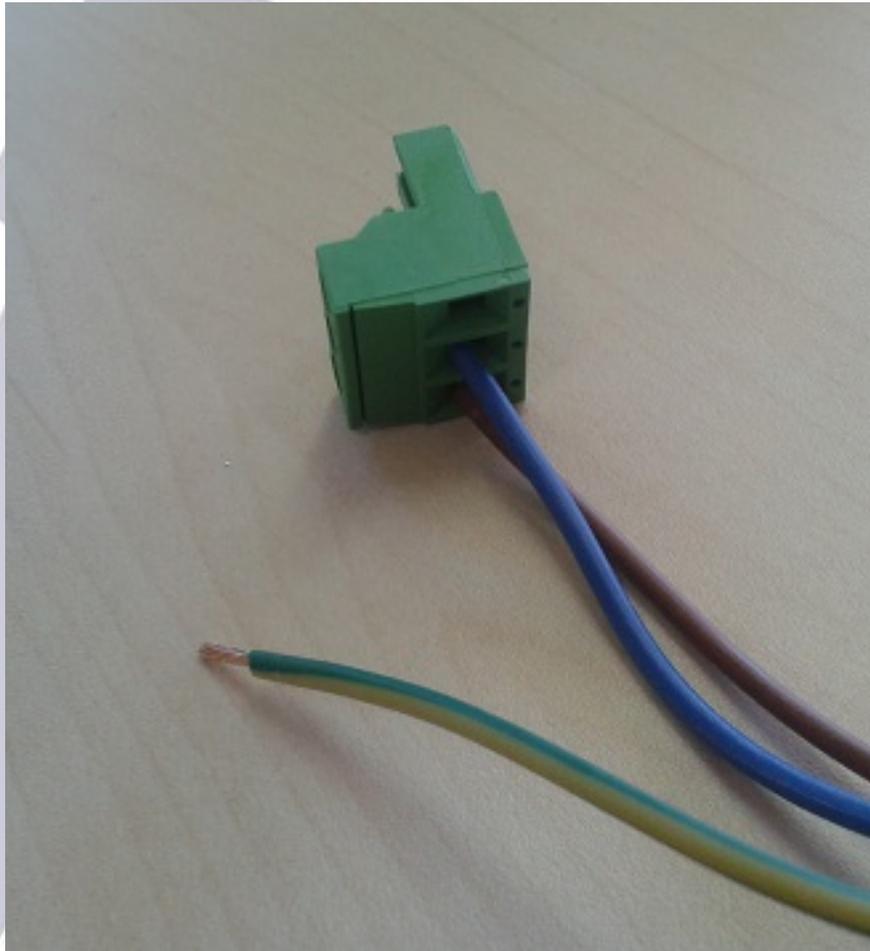
The ground wire will go to a different terminal, so all grounds go together. Finished part:



Very much the same goes for the female plug:



Blue wire (neutral) will go to "Com" in the "Out" side of the Firefly, brown (live) to normally open "NO", and the yellow-green one (ground) to the common terminal block (not shown in the image):

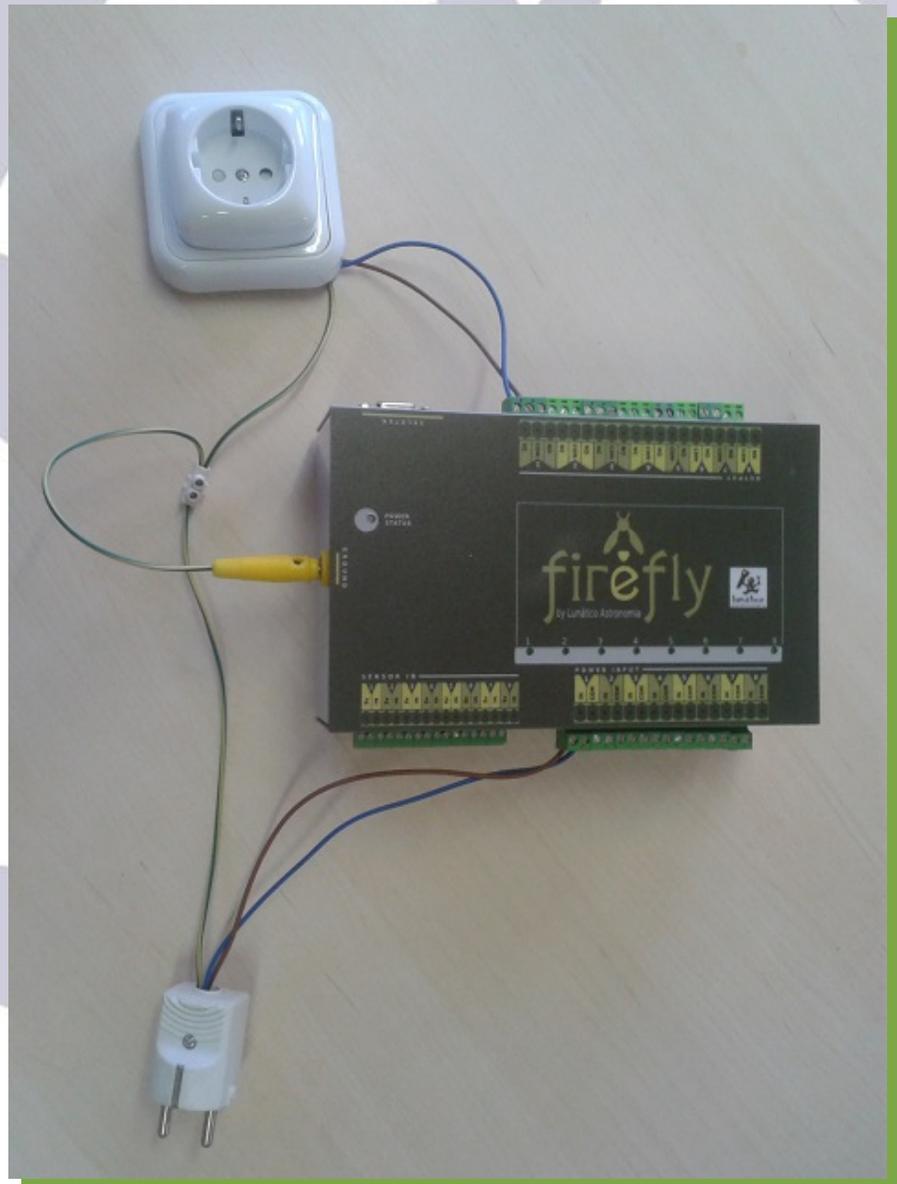


Last step, all grounds go together and to the ground plug in the Firefly box:





**And the final result:**



## Wiring a magnetic sensor.

If we use such a sensor to detect, for instance, if the roof is open or close, attaching it to the Firefly is really easy.

The sensor as supplied:

Just attach both wires to a "Sensor in" terminal block; color of wire is not relevant.



And that's all!

**Final image:**

