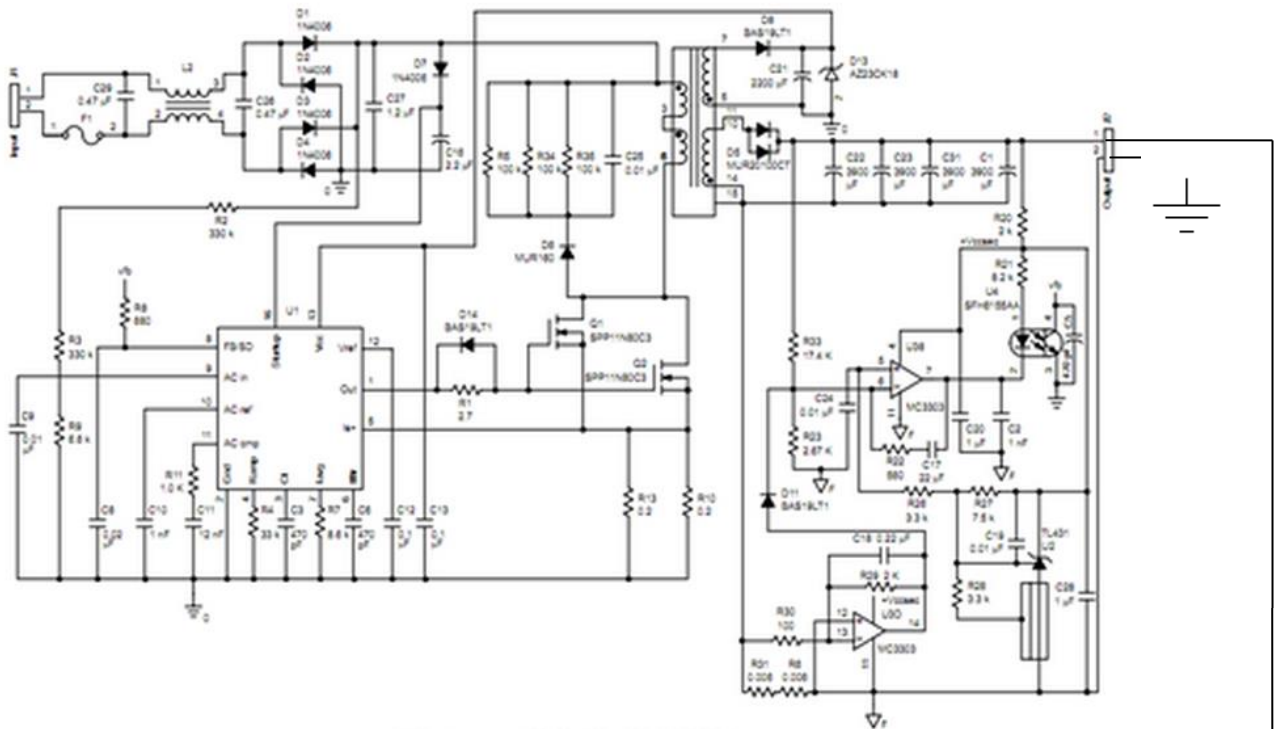
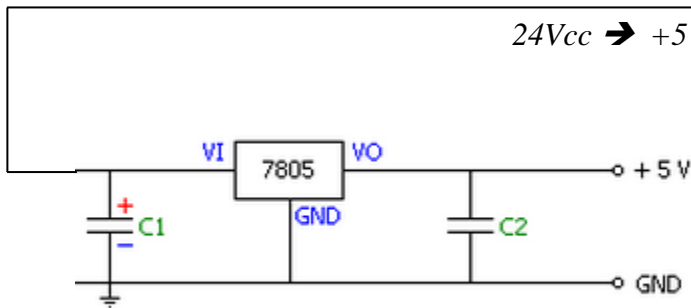


Prototype to adjust voltages by switching power supply mode

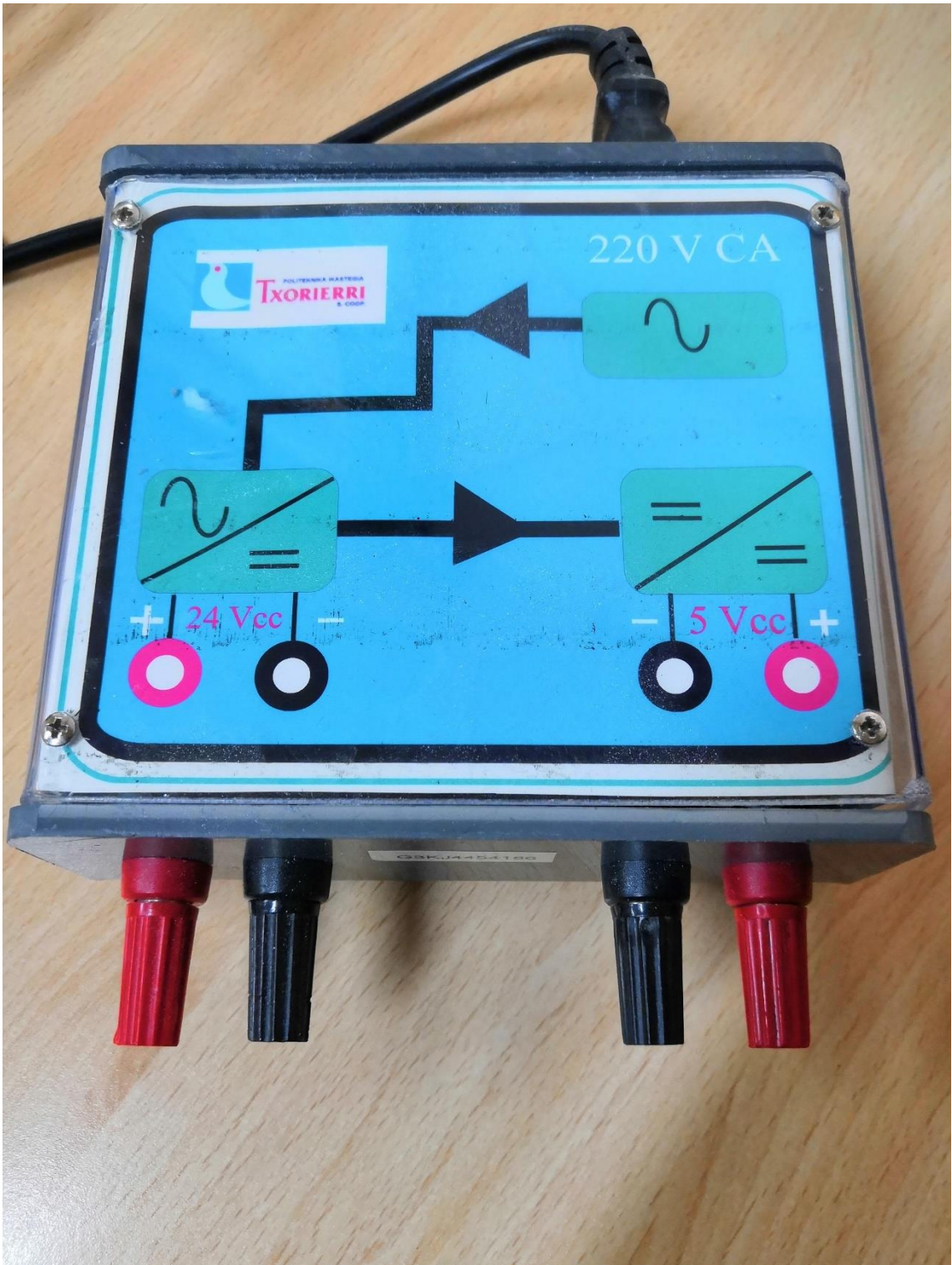
220Vca \rightarrow +24Vcc



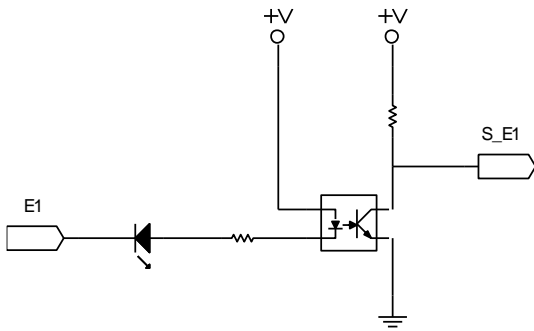
24Vcc \rightarrow +5 Vcc



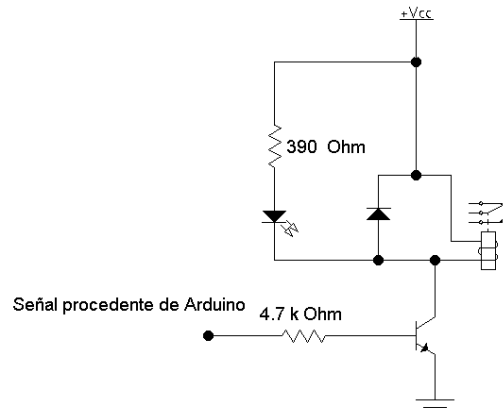
Through this prototype, we managed to have a single power supply, connected to 230 V of alternating current, two different DC power supply voltages, one of 24 volts and the other of 5 volts. In this way we can connect all the elements connected with Arduino simultaneously as well as the industrial sensors that work at 24 V DC.



Prototype to adapt different signals

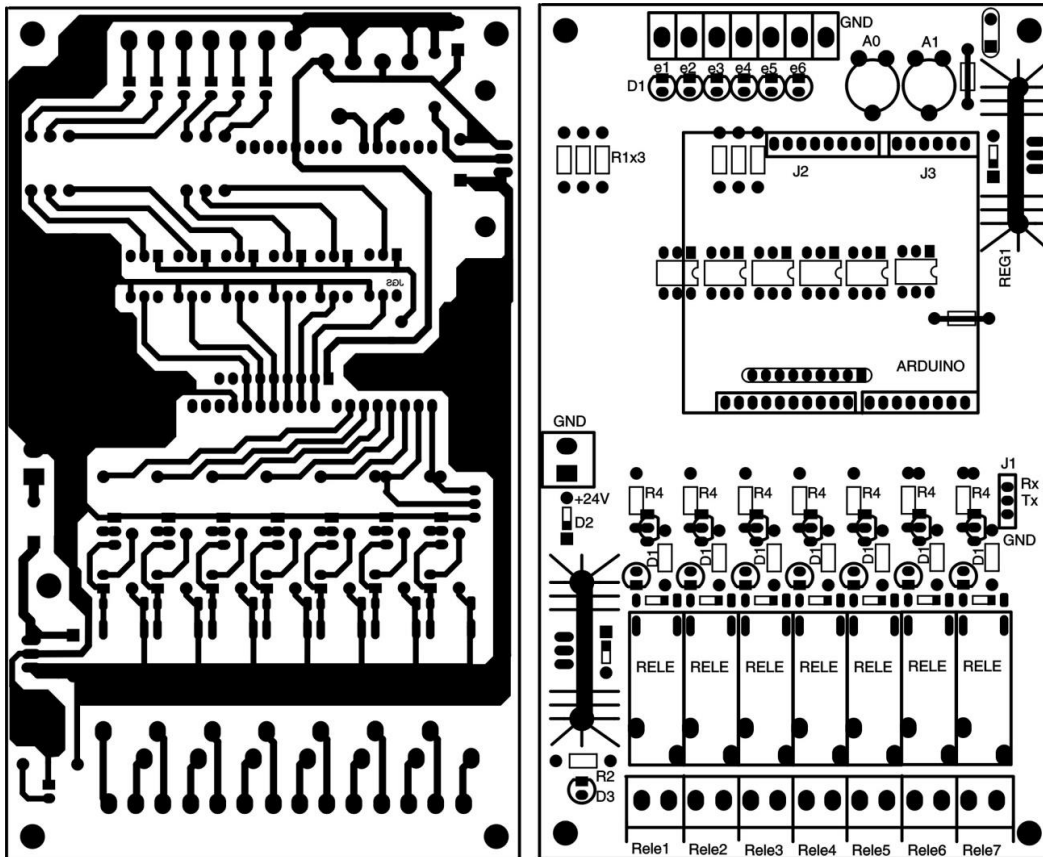


Disponemos de seis circuitos como este como entradas

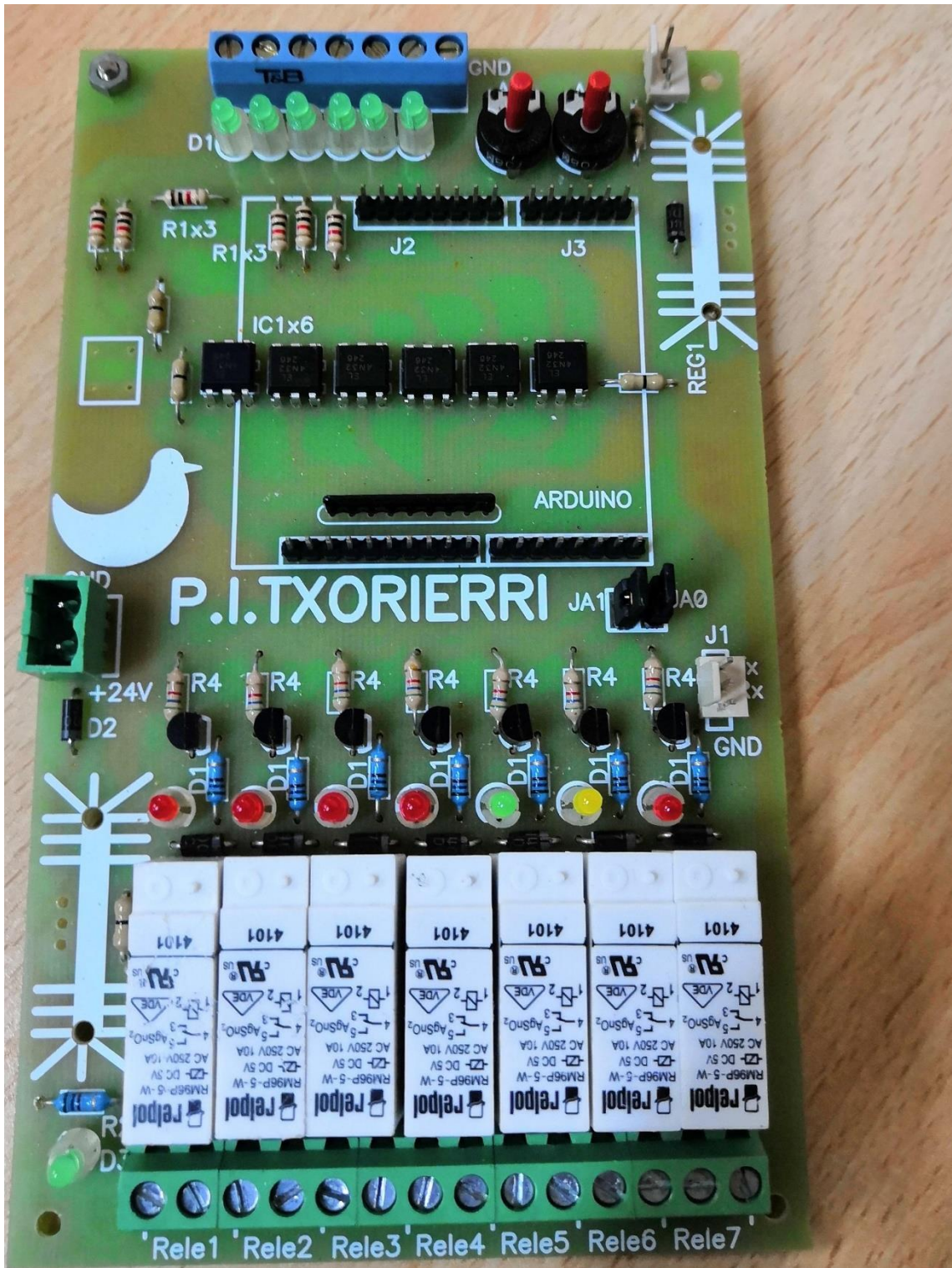


Disponemos de siete circuitos como este como salidas

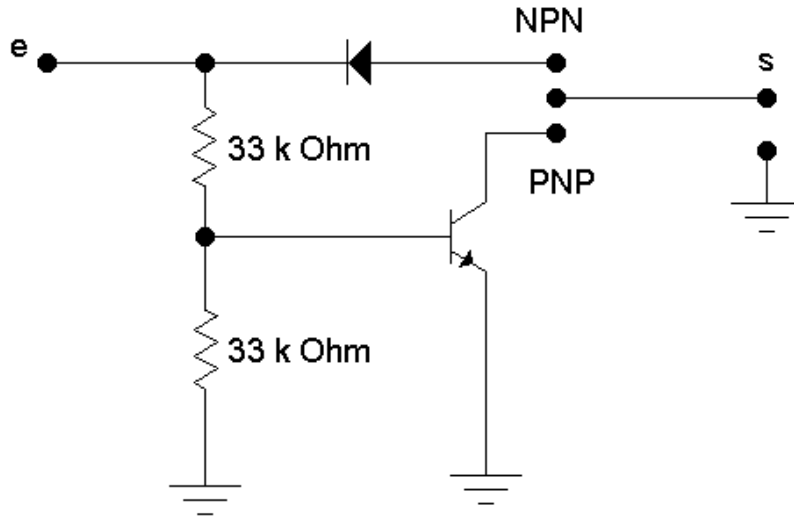
Pcb I/O for Arduino



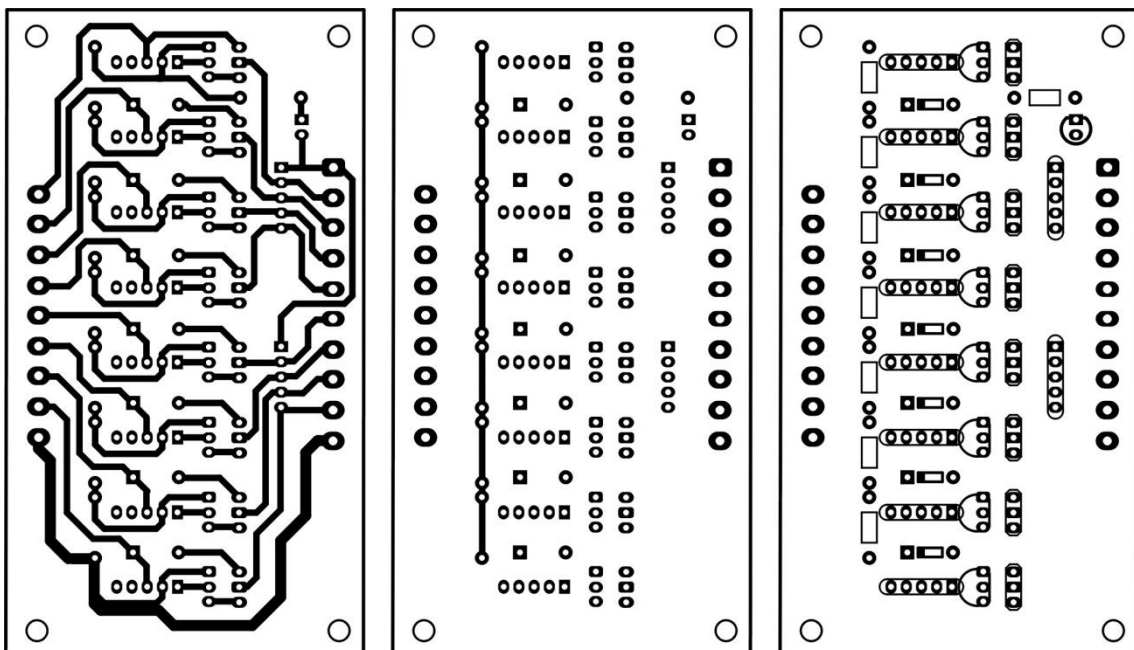
Through this prototype, we have the possibility to control different elements that operate at 230 volts of direct current through the Arduino board, which operates at 5 volts of direct current. This gives us a great versatility and gives us the possibility of not only using the equipment designed for use with Arduino, but we can use another great variety.



Prototype to work with different industrial sensors:



Industrial sensor adapter PCB



Through this prototype, we will have the possibility of using both PNP and NPN sensors, only by changing the position of the switch we will be able to use one or the other type. In addition to being able to use several sensors of different type