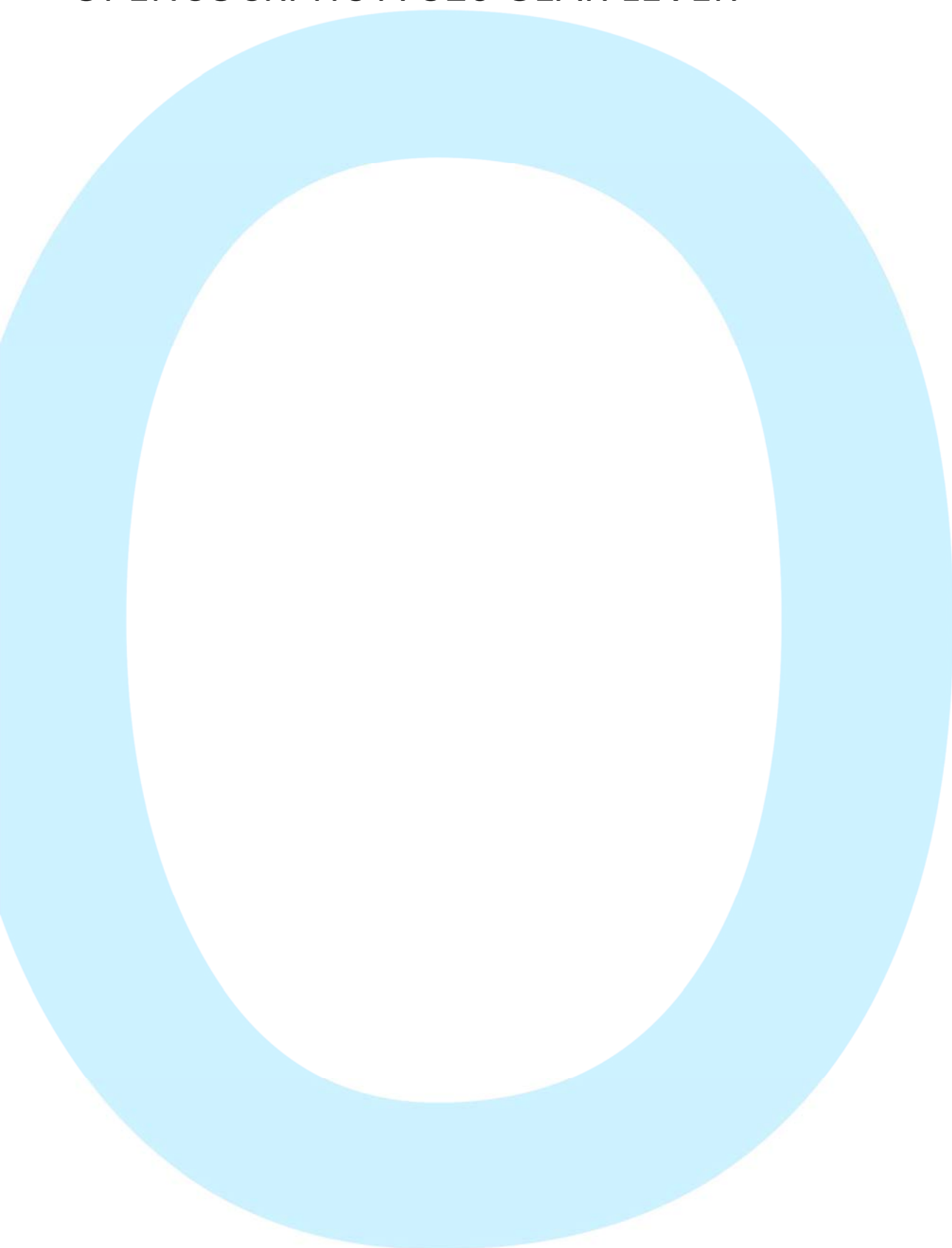# INSTALLATION AND USER'S MANUAL
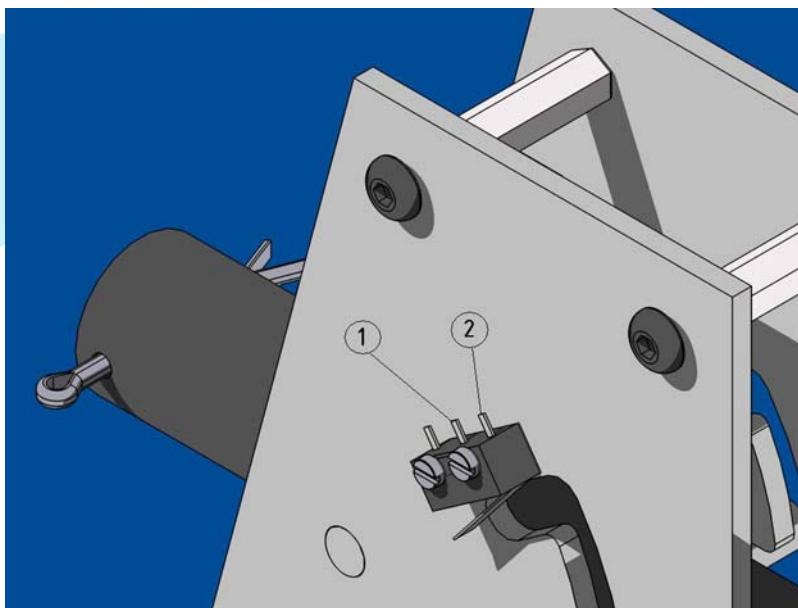
OPENCOCKPITS A-320 GEAR LEVER

HARDWARE INSTALLATION

The hardware comes fully build up and the only thing to do is to solder the wires to the micro switches and fix it to the central panel of the cockpit, for that purpose two drilled brackets are provided.
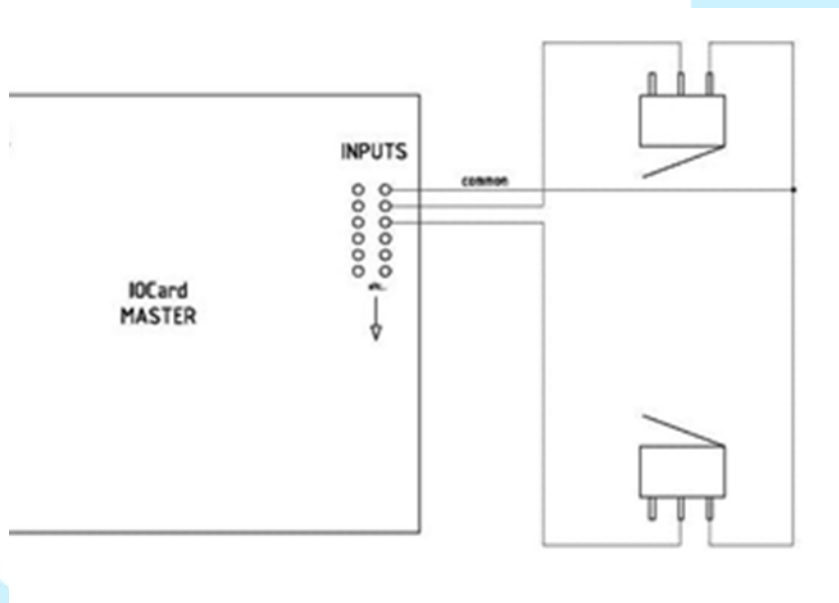
To solder the wires to the micros, lay the mechanism flat, so they are easily accessible.

Solder a wire to the pin closer to the front side of the mechanism (2); this will be the common wire. And solder the other wire to the central pin (1).
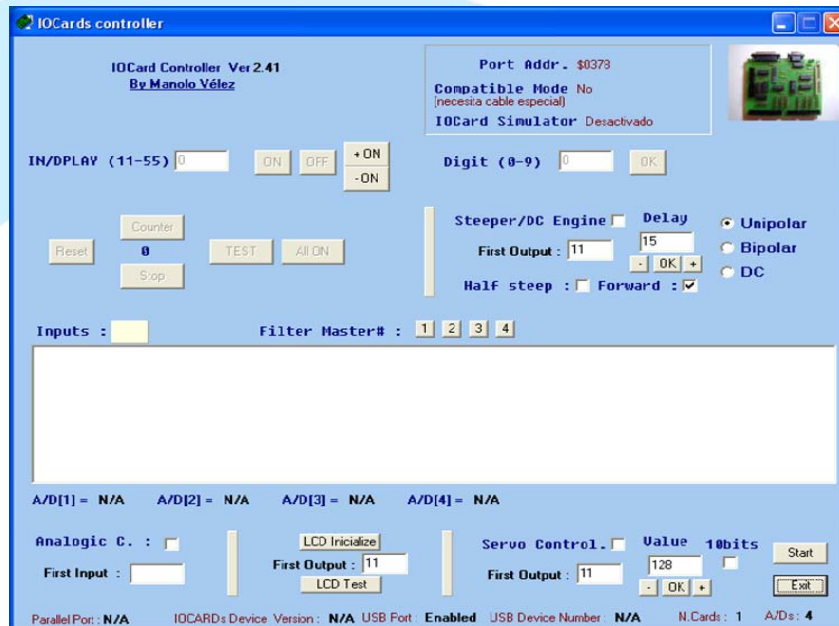

Proceed the same way with the lower micro.

Next, you can connect the lever to the Master IOCard. The wiring must mate the following scheme:

SOFTWARE INSTALLATION

Unzip the file OPENCOCKPITS TREN A320.zip that you must download from the site. This file will create a folder with the same name, and it is where you will find all files that will be mentioned from now on. Extract the file in a place where it will be easy to find afterwards.
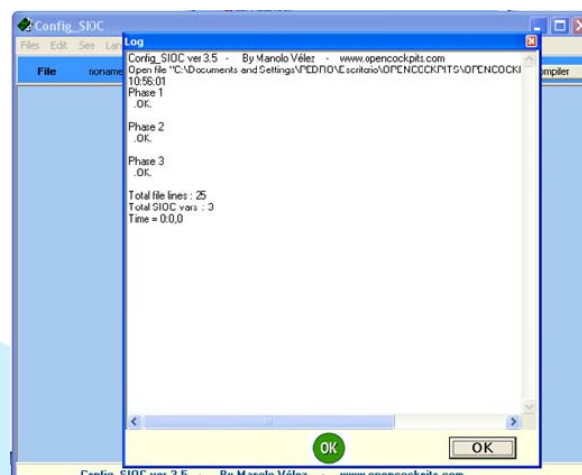
First we have to find out the numbers of the inputs and outputs where we have connected the different hardware elements, for that purpose, we execute the program controlador.exe, which shall be in the same folder that we have installed the software for the lever. Once running it will show us a screen like this one:
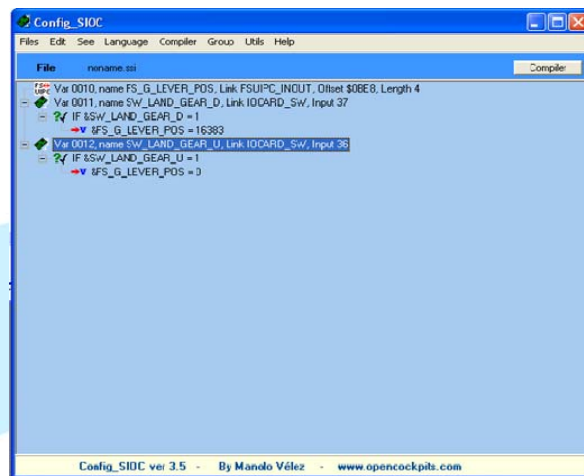

We press on "Start" and all activated inputs will appear, in our case the ones we care about, will activate when actuating on the hardware. Note this input numbers because we shall use them afterwards. I.e.:

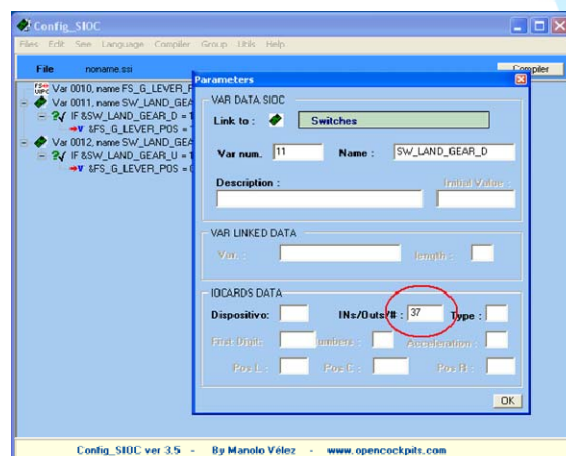-Input15 = gear up
-Input 16 = gear down

Next run config_sioc.exe, select Files->Import TXT and choose the right file, i.e.: If we use the IOCPServer protocol, choose the file "palanca tren e indicadores iocp.txt", shall we use FSUIPC choose the other. Then the application will show the agreement with the import with the following screen:

Press OK and the script for the lever will be imported. We will see the following screen, where we shall change the pertinent numbers of the inputs and outputs:

If we double click on any of the variables we want to change, the screen to create the variables will appear:

Circled in red the number originally noted in the script will show. This is the one we must change. If we see the ones we took as an example, in this case we must substitute the input number 37 for the number 16 (Input 16= gear DOWN). We must execute this operation with both inputs. To confirm the change press OK and then it will turn back to the main screen again.

Save the file as sioc.ssi in the same directory we have unzipped before all files and our script to work with Flight Simulator will be ready.

TEST AND END OF CONFIGURATION

With all the hardware put together and the software configured, we can now proceed to try our gear lever with his indicators.

For that, in first place we run Flight Simulator, load our favorite flight with the aircraft on the ground. When fully loaded, we must go to the folder where the sioc.exe is and we start it.

We can take off, and once the airplane on the air and with "positive rate", we execute the "gear up", this must raise the gear, until it is up and blocked in the UP position.

Note:

Software programs, circuits and content published in this paper and on our website are copyrighted by their developers, who doesn't consent to their use for commercial gain, unless authorized in writing.

The software and content published and any code developed can be distributed as often as necessary and through desired media without written authorization, provided that the publication is acknowledged to the author and the source from which comes

www.opencockpits.com