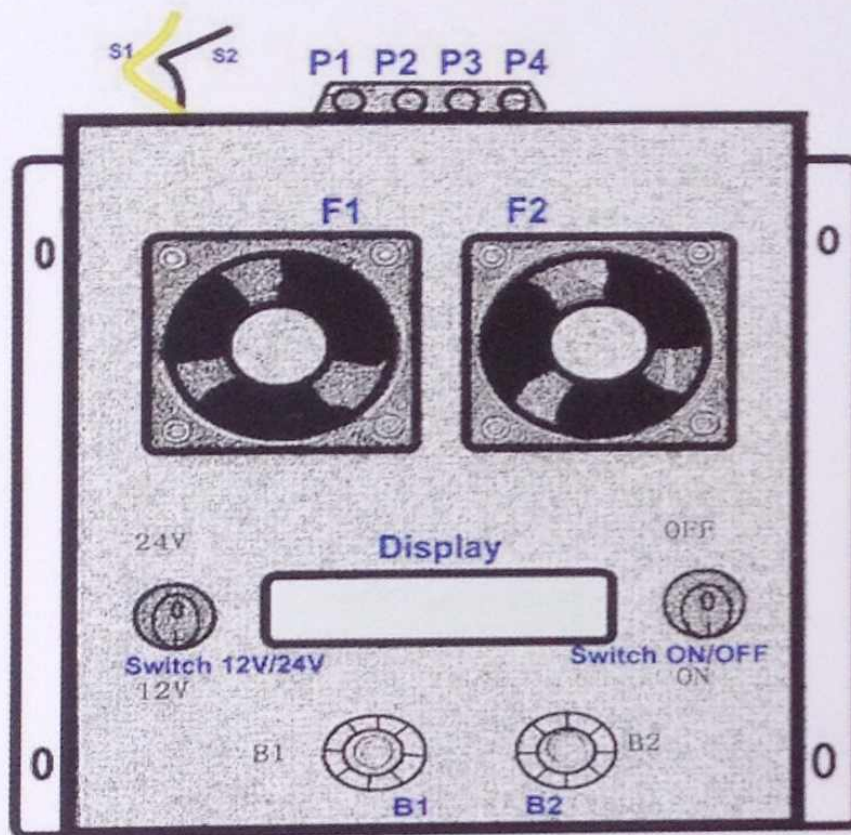


※ General Introduction



Display= shows the working status.

B1 = Button one. It's Current Setting (Amp) and Error Removal Button.

B2 = Button two. It's Frequency Setting Button.

F1 = Fan one.

F2 = Fan two.

P1 = Power port one. Negative to Cell.

P2 = Power port two. Positive to Cell.

P3 = Power port three. Positive from Battery.

P4 = Power port four. Negative from Battery.

S1 = Safety wire # one.

S2 = Safety wire # two.

Switch 12V/24V=Selecting the device to work at 12V or 24V power supply.

Switch ON/OFF=Swith ON to start output current and Switch OFF to stop output current.

b), NN Status



NN=Manual switch ON and Voltage Sensing Switch ON. (Voltage sensing switch is built inside and automatically ON if voltage reached 13.5V or 27V)

c), NF Status



NF=Manual switch ON and Voltage Sensing Switch OFF. (Voltage sensing switch is built inside and automatically OFF if input voltage hasn't reached 13.5V or 27V)

d), NE status



NE=Manual switch ON and there is an Error status. (Safety wire grounded.)

e), FF status



FF=Manual switch OFF and Voltage Sensing Switch OFF.

D), FE status



FE=Manual switch OFF and Safety wire ground.

3, Practicing

If it is first time you run OGO-Pro'X Luxury at 24V, press B2 and tune left to low the frequency just after OGO-Pro'X Luxury starts. If your power supply is 12V, don't need to low the frequency at first. It is to protect Pro'X Luxury from damage from the high transient peak voltage at 24V. (A 6x6 inch cell, 21 plates, can bring a peak voltage more than 48V when powering on with density 5%, 27.5V power supply. And transient voltage drop back to 0v or even minus at valley point voltage.)

Press B1 to set the current you need. When tuning B1, SC (set current) at the lower left corner of the Display changes at the same time. After SC reached the AMP you want to run your cell, stop tuning for a second and it will save the set current. Pro'X Luxury will not output a current more than this AMP you set. Now you may see the C (working current) on the top right corner is rising from 0A to reach your set current.

If your cell maximum consuming 28A for example, and your set current is 30A, the output current is 28A at the top right corner of the display. But if your set current is 25A (whatever less than 28A), after the working current (C on the display) reached 25A, it may become unstable. It may keep showing more and less current at around 25A. This is because Pro'X Luxury is outputting a constant current at 25A, and it needs to verify the pulse width. If the working current changes by a large margin and fast in short time, press B2 and tune to change the frequency to get a better working condition.

☆ A suggestion to a 24V (or higher voltage) HHO system by using Pro'X Luxury

When working at high voltage, every PWM will same easier get damaged. Because transient voltage changes by a large margin, especially when your output current is high. When at 24V, if the frequency is higher, that means Pro'X Luxury needs to smooth more times of the high transient voltage in every second. It will shorten the life of Pro'X Luxury.

※Problem Shooting

Someone may face a problem of that OGO-Pro'X Luxury keeps NN (ON) and NF (OFF) Status on the display. The status means that voltage sensing switch is ON, OFF, ON, OFF frequently. Voltage inputting is not enough to keep the sensing switch ON all the time.

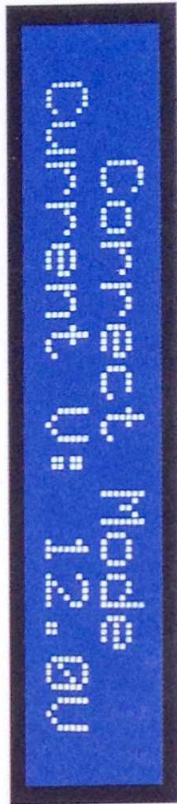
There can be 2 reasons. One is your battery and alternator is not strong enough to supply your HHO system. The other reason is that your cell is big and it draws too much voltage. There are some ways to solve the problem.

1. Power OFF the AC or other big electricity consumers.
2. Change or add in a new bigger battery or change a much more powerful alternator.
3. Change the cell in your HHO system to be a smaller one.
4. If you don't want both of the previous ways, you can try to tune Pro'X Luxury working better with you HHO system in vehicle. Press B2 and tune to low down the frequency at first. Then press B1 and tune the set current to be 0A. Now you can see the voltage on the display is rising back because the alternator is charging. Let it be. After a while, (it maybe 14V or higher), tune the Set Current to be 1A or 2A and give a higher frequency to let your HHO system run smooth. Now see

how is the voltage changing. If no F Stature (OFF) on display, and voltage still charging, that is good. Try to give more Amps and change the frequency to make the working current smoother. If working good, try a more higher Set Current and verify the frequency. If you find the voltage drop back soon at a high Amps, then low the Set Current and change the frequency. This is a way to find the best working condition to your car power supply and your HHO system.

5. Try a new advanced tech of Pro X Luxury. Please go on reading...

※Advancement



OGO-Pro X Luxury has an advanced function. User can adjust the value of input voltage in this Correct Mode.

Press B1 and B2 at the same time when power supply is OFF. Turn ON the power supply before loose the two buttons. User will go to this Correct-Mode. OGO recommends adjusting the voltage between 12V-15V and using a voltage meter in high precision. Thus make Pro X Luxury more correct working. Tune B2 in Correct Mode to change the value of input voltage. Each step is 0.1V. After if reached the value you want, stop tuning and press B2. Display shows Correct Succeed. Now loose the power cables of input and connect them back. Power ON Pro X Luxury and it will work at your set input value.

Correct Mode can help user to get a correct input voltage for Pro X Luxury. Some user use a long power cable which consuming electricity. The voltage of the ports of Pro X can be lower than the voltage from battery. Some cable is not good quality and consumes electricity too. And some of Pro X Luxury may show an incorrect voltage because of programs problem. All these problems can be solved in this correct mode.

Some old cars may not producing voltage more than 13.5V. User can not get Pro X Luxury started. You can give a little more voltage to sensing switch in Correct Mode.

Some HHO cells are big and draw many vol. from battery and alternator. If the input voltage is lower than 12.5V (in 12V mode) or 27V (in 24V mode), Pro X Luxury will stop the output current to protect other electronics using in vehicle. Most electronics in vehicle is good working if power supply higher than 11V (Never lower than 10V). Therefore, user still have 1.5V can be adjusted to make the HHO system working stable with Pro X Luxury. A 12V can be pretended as any value of voltage in this Correct Mode. But User should always remember the real voltage working in your vehicle electronics. Lower than 10V may cause a damage of some parts in your vehicle for long time working.

Thank you for purchasing OGO-Pro X Luxury. It is the best PWM you've ever see in the market and it is specially designed for various HHO systems. We invested a lot on testing and we get Pro X. Now this Luxury version is a second generation of Pro X. We will never stop to go further on new better Pro X development. We OGO appreciate feedback from you after using our products. We collect ideas and suggestions and try our best to make our HHO products better and better. Actually, we already start to upgrade Pro X Luxury now. The Next generation name maybe Pro X2 is perfecting in OGO R&D department. Other OGO items for HHO purpose are also being upgraded. Thanks for your attention to OGOhho. Going for your life, to make world green, to find more children smile. That is OGO, let's go together with you.

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