



SUPER POWER PANEL

- MARK III - - 12 volt - Product No. 1023

Features

- Solid state circuitry provides accurate functions and long service life.
- Automatic power adjust **AUTO GLOW DRIVER** circuitry for no hassle engine starting. No manual adjustments required.
- Glow plug status meter for indicating condition of glow plug while starting.
- Mounts easily to most field boxes, 4 mounting screws included. Required cut out must be at least 76 mm X 130 mm. (3 inches X 5-1/8 inches)
- Fuel pump control switch, (**in**)-(center **off**)-(out) for internal hook up of a 6 or 12 volt fuel pump.
- Starter hook up by banana plug or convenient thumb screw posts.
- Master power panel control switch for glow driver and fuel pump only.
- Power on, red indicator light on panel for glow driver and fuel pump only.
- Heavy duty terminal spring clips attached to master panel hook up wire for hook up to a 12 volt battery with at least a 6 amp hour capacity rating.
- Banana & straight pin plugs provided for starter and glow plug clip.
- Panel has a 7.5 AMP fuse on the back side to protect panel circuits from a possible short circuit which is very unlikely under normal use.

Set Up & Operating Instructions

Installing and connecting your ty1 power panel.

The panel comes with all necessary hardware to get you started.

1. First, select the banana plugs and their red & black covers. Make sure to place the correct color covers on the correct starter wire so that your starter runs in the proper direction when plugged in to your panel according to red and black. Now solder the wires to the banana plugs.
 - Next select the pin plugs and the green covers for the pin plugs. Solder your glow plug clip leads to the pin plugs making sure to place the covers on the wires first.
 - Next you must determine the voltage of your fuel pump, 6 or 12 volts.
 - If your pump requires 12 volts, select the **Red** and **BLACK** color wires making sure you connect the wires according to the **fuel in or fuel out** switch function.
 - If your pump requires 6 volts, select the **YELLOW** and **BLACK** color wires making sure you connect the wires according to the **fuel in or fuel out** switch function.There are two **wire nuts** provided for hooking up the fuel pump to the fuel pump panel wires located on the back side of the panel.
2. **Please note:** > Carefully tape the end of the unused pump wire or snip it off at the panel edge. This will prevent a possible short circuit of the remaining un used wire if it is not properly insulated.
2. Connect your panel to a 12 volt battery, using the provided spring clips, making sure to connect the red wire to the **positive post** and the black wire to the **negative post** of the battery.
3. You are now ready to mount your panel. Screw the panel to your flight box with the 4 black self taping screws provided.
4. Connect your starter and make sure it runs in the correct direction. Turn the main master switch on. Now check to make sure your fuel pump functions properly. If the (**fuel in and fuel out**) function is not correct, reverse the two pump wires to correct the problem.
5. Plug in your glow plug clip and connect it to your engine. You should now get a reading on the meter if your plug is good. The reading will depend on the type of plug you are using. The high tech **AUTO GLOW DRIVER** function will automatically adjust the plug current to the proper level for easy starting. No manual adjusting required. No need to worry about burning your plug up as the automatic circuitry will not let this happen.
6. You are now ready to use your Quality ty1 Super Power Panel for many years of no hassle starting of your favorite R/C models.

Happy Flying From Hobby Squadron,
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