

P112

Power Distribution Board

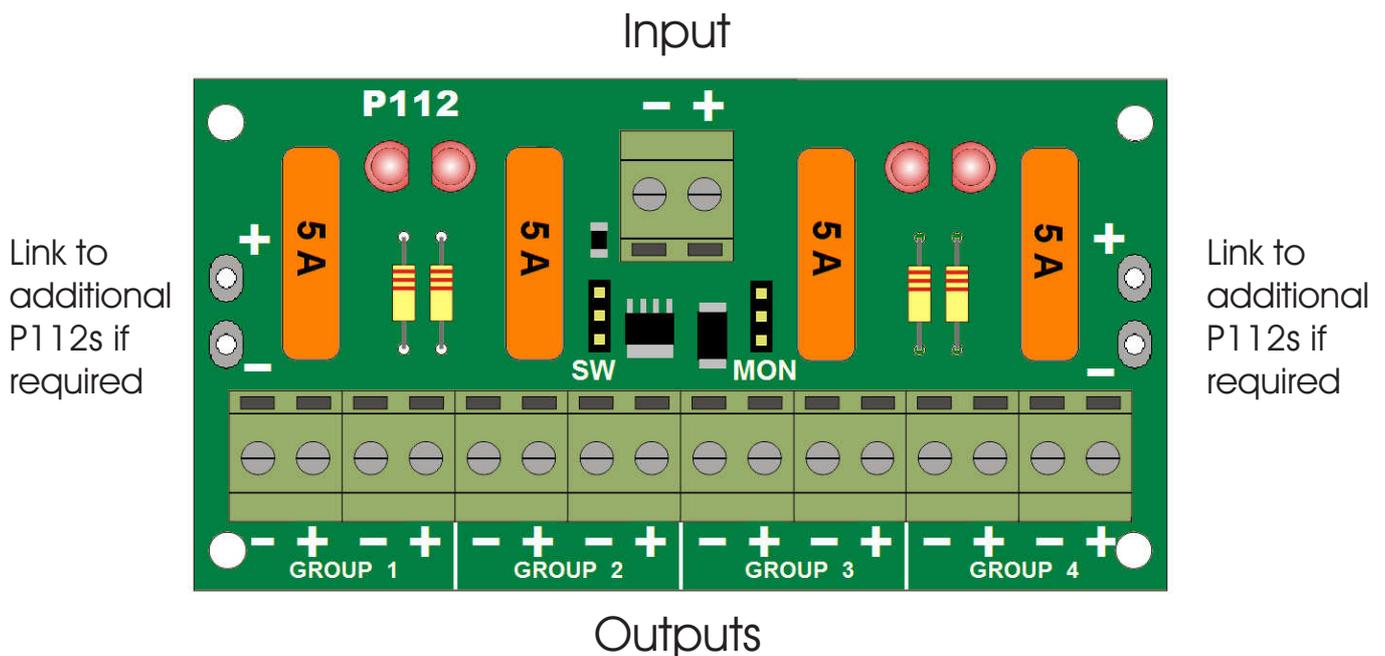


The P112 is the latest Power Distribution Board developed to provide a neat solution to the frequent "rat's nest" wiring which results from multiple units being installed in a R/C model boat. It takes the power from the main supply battery - which can be Lead-Acid, Nickel Cadmium, Nickel Metal Hydride or Lithium Polymer - and routes it via a set of four pairs of terminals, each pair being protected by a separate fuse (car blade type). Each output pair has a red LED to show that power is present, the LED will not light if the fuse has blown.

The P112 uses a very high-quality epoxy-glass laminated board with extra-thick copper tracks to carry a maximum rated current of 25A total for all outputs, maximum load on any single output is 16A. Maximum conductor cross-section for the input leads is 2.5 sq mm and for the output leads, 1.5 sq mm.

The unit is supplied either in kit form or ready-built and checked. Each unit comes with a selection of fuses including 2x 3A, 4x 5A & 2x 10A.

The P112 is available in two forms, with or without a main power switch. Also multiple P112s can be linked together to give more outputs from a single input (the maximum of 25A across all outputs still applies).



RECOVERY SERVICE

A recovery or repairs service ensures that you will not be left with a dead unit for any reason. The Service Charge for the P112M is £13.00 and for the P112S is £10.00 including parts (including return shipping cost IN UK).

Please contact us for a returns number before returning any unit to us.

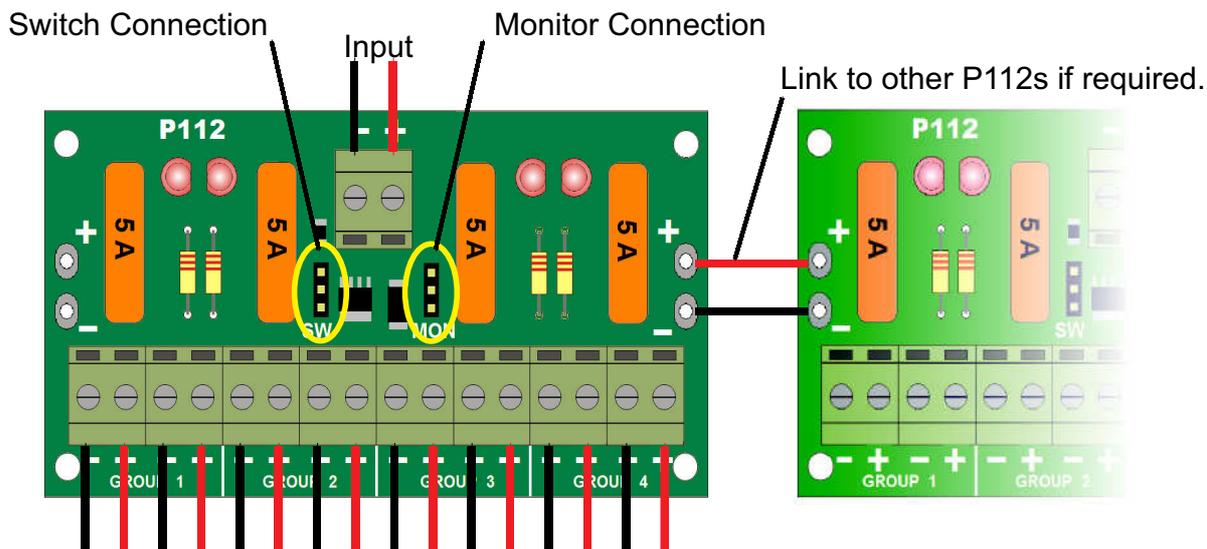
Even with a returns number, always include your name, address & phone number with any returned item.

ACTION R/C ELECTRONICS, 1 Llwyn Bleddyn, Llanllechid, Bangor LL57 3EF, United Kingdom

The small print.....

ACTION R/C Electronics guarantee all products to be free from manufacturing defects for 12 months from date of purchase. This does not cover suitability for specific applications; components worn or damaged by use, tampering or incorrect connection; alteration to original components; damage to batteries or other equipment through use; misuse, or shipping damage. Where goods are found to be faulty, the customer shall return them to ACTION R/C Electronics in their original condition and with their original instructions, packaging etc. Our liability is limited to repairing or replacing goods to their original specification and will not exceed the cost of the goods. By using the product the user accepts all liability. Where a fixed repair charge is applicable, ACTION R/C Electronics shall undertake repairs to the extent that they are judged economically viable. Where such is not the case then the customer will be offered the option of crediting the repair charge towards the cost of a new unit or having the faulty unit returned and the charge refunded (less the cost of return carriage). We reserve the right to modify this guarantee without notice.

P112 SWITCHED DISTRIBUTION BOARD (Drawn Full-Size)



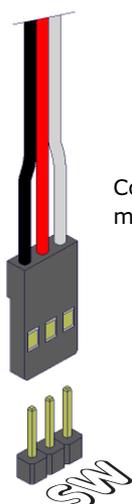
Mounting hole dimensions are 3mm dia; 81mm x 43mm spacing

The P112M Distribution Board features an ultra-low resistance, high current MOSFET switch which will isolate the power to the board, only needing a very small switch as the actual controller. This means that literally any switch of any size can be used to switch power to the model on & off. The P112M comes supplied with a miniature slide switch on a 3-way servo wire, terminated in a standard Futaba male plug, should this lead need to be extended, this can be done using a standard Futaba servo extension lead.

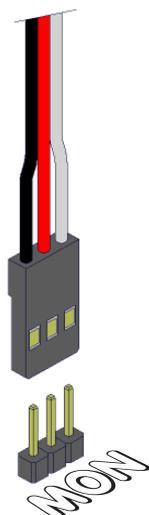
Connect the switch to the terminal marked "SW" on the circuit board. The connector will go either way round, which is not a problem as it will work either way.

The P112M & P112S also have another connector on the circuit board marked "MON" this can be used with an external voltage monitor, such as our miniature LED display type, to show the level of the battery. Again the connector can be plugged in either way round & although it will only work one way round, it will not damage anything if it is connected incorrectly - simply unplug it & plug it back in the other way around.

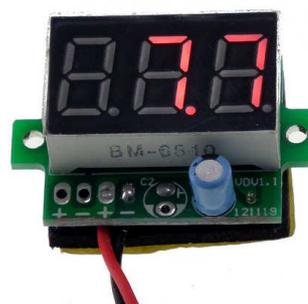
Note: The P112S does not have the main power switch & is permanently ON, otherwise it is identical to the P112M.



Connect the switch to the position marked on the circuit board



Optional voltage display module.



Connect the voltage display (if required) to the terminal marked "MON" on the circuit board.