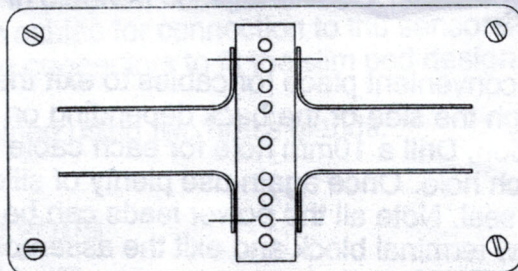


CLIPPER

INSTRUMENT POD

After deciding which mounting is most suitable the back must be drilled to accept the screws for the mounting bracket. The bracket can be fitted either horizontally or vertically.



Carefully mark and drill four 5mm holes in the fixing flange on the rear pod moulding. Use the moulding bracket as a template to mark the holes. It is wise at this stage to screw the self-tapping screws into the bracket to tap the holes.

The Mounting bracket can now be fitted to the mast or bulkhead.

Plug the extension cables into the instruments and pass them together with the power cables through the cable glands. To do this first remove the cap nut from the cable gland. This will release a small plastic washer and a rubber washer. Pass the cable through the gland from the inside then slide over the cable the rubber washer (a little silicon grease makes it easier) then the plastic washer and finally the cap nut. Tighten finger tight. Fit the inline sockets to the extension cables and ensure they are properly soldered. Label the cables to assist identification. Ensure the "O" ring is in place around the edge of the moulding (once again a smear of silicon grease is recommended) and screw the back and front together. The complete assembly can then be fitted into the pod mounting bracket using the four self-tapping screws.

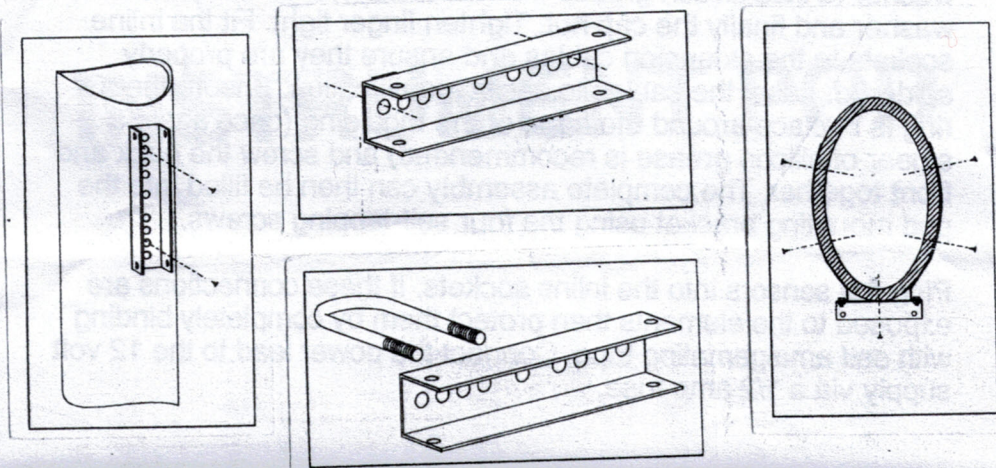
Plug the sensors into the inline sockets. If these connections are exposed to the elements then protect them by completely binding with self amalgamating tape. Connect the power lead to the 12 volt supply via a 1/2 amp fuse.

To join two pods, first decide the best configuration and carefully drill the front mouldings with a 20mm hole cutter and bolt the mouldings together with the brass glands. Use a generous quantity of a proprietary brand of silicon rubber to seal all fittings in the moulding. Any cables passing between the pods are routed through the centre of the brass glands.

Choose the most convenient place for cables to exit the assembly. This can be through the side or the back depending on the particular installation. Drill a 10mm hole for each cable and fit a cable gland in each hole. Once again use plenty of silicon rubber to ensure a good seal. Note all the power leads can be connected together in a screw terminal block and exit the assembly on a single power cable. The instruments can now be fitted in the pod. Remove the wing nuts and the clamp bracket from the instrument, fit the "O" ring in the groove on the back of the instrument and place the instrument into the pod. (It is wise to put a little silicon grease on the "O" ring to help it bed down, alternatively a thin smear of silicon rubber.) Replace the clamp bracket and wing nuts and lightly tighten them until the "O" ring is compressed. Do not over tighten.

FITTING THE POD MOUNTING BRACKET

The pod mounting bracket can be fixed in a number of ways. It can be screwed directly to a mast or bulkhead,



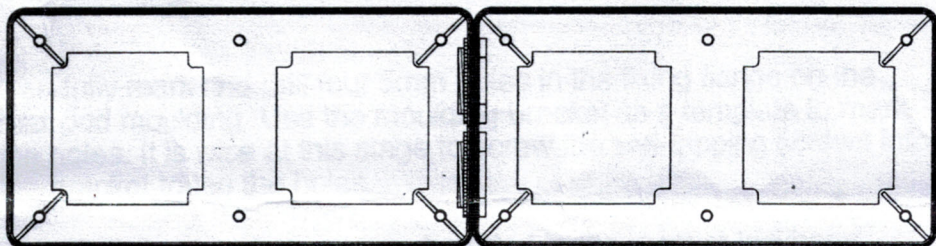
THE CLIPPER INSTRUMENT POD

The Clipper Instrument Pod is designed to mount two Clipper instruments in a single waterproof pod. Two or more pods can be joined together in different configurations. Pods are supplied with short extension cables for connection to the sensors. These cables have right angle connectors to fit the slim pod design.

Pods can be joined using two brass glands.

JOINING TWO PODS

Pods can be joined in line.



Pods can be joined side by side.

