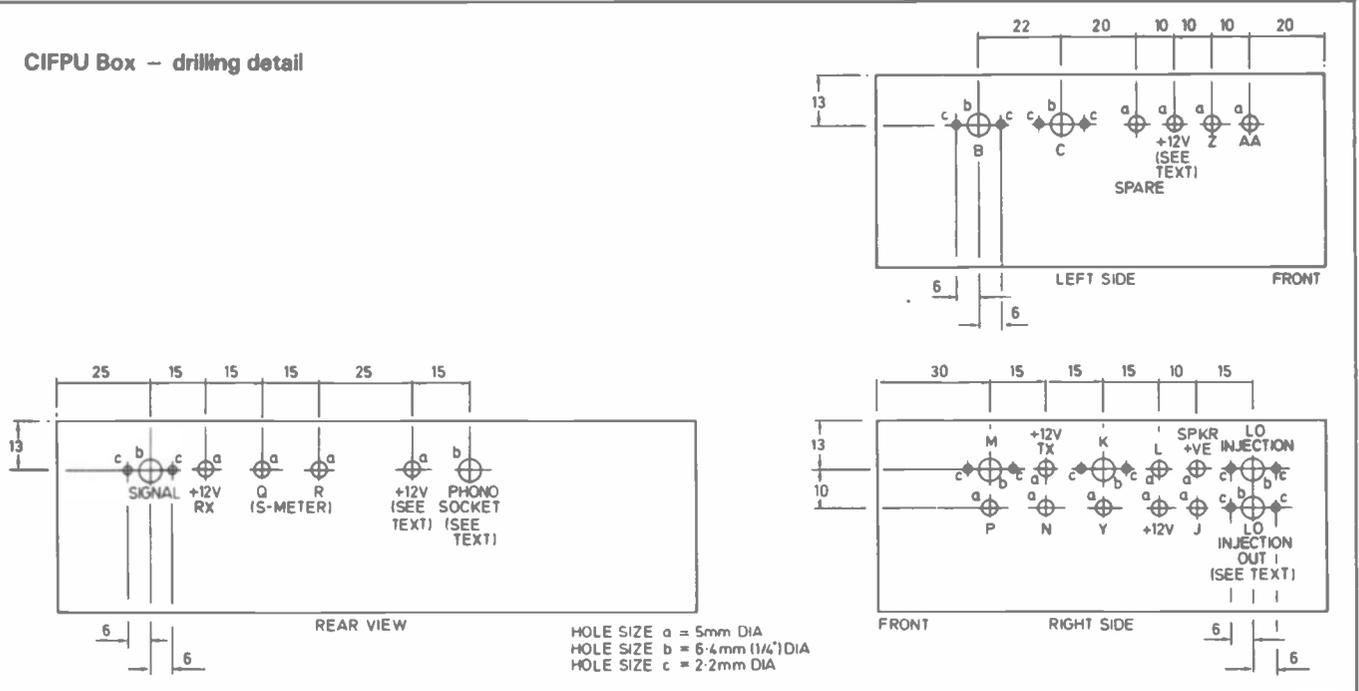


CIFPU Box – drilling detail



switch selectable using a pair of J310s in push-pull, and diode switched Tx/Rx. It will also be usable with other transceivers which need extra gain.

Preselector

When using OMEGA on the 10MHz band, it is vitally important that the two 10.7MHz traps are correctly set up, otherwise you could be radiating a signal at 10.7MHz as well! To do this, set the VFO to exactly 10.7MHz (you will hear a beat note in the receiver). Then go to CW Tx and peak the preselector (on dummy load – there are probably a lot of domestic receivers near you that won't like 10.7MHz RF!) for maximum output. Now very carefully adjust both the transformer cores on the preselector for minimum output, until you cannot

Prototype Omega front panel (please note that production arrangement may differ considerably as regards number and location of controls – G3WPO)

improve matters. With the Tx now in the normal band, you will have a rejection of over 75dB of any 10.7MHz signal (measured 35dB from the traps plus 40dB rejection by the balanced mixer in the CIFPU).

PLL VFO

There are a number of corrections to this section. All kits and PCBs have these enclosed – anyone not already having these can obtain a copy from WPO Communications for an SAE. This also applies to corrections to previous units.

OMEGA Case

Due to enormous demand there will be a case for the OMEGA project. This is primarily aimed at those who have limited metal bashing facilities,

and has been kept as simple as possible, with attention mainly to a good looking screened and punched front panel. It houses all the published and forthcoming modules, but is not intended to house the power supply.

The case is made from sheet steel /aluminium, finished in black with a black anodised front panel and is simply assembled (a special similar to the Centurion DX range). While the front panel will be punched and screened with legends, the remainder of the case will be undrilled. A photo of the prototype panel appears in this article (subject to some changes since photographing). Details of the case will appear in an early issue, together with copious photos and drawings. Approximate availability date will be given by WPO Communications in the OMEGA Newsletter. All controls and knobs etc will also be made available.

