# Upgrading a -0021 Series CP Panel for Communication with a Mitsubishi A PLC

Some -0021 series UniOP CP panels do not allow communication with the Mitsubishi - A PLC. To correct this problem, the unit must have a PAL chip replaced with the latest version. The following steps will assist you in the accomplishment of this simple task.

1. To remove the back cover of the panel, you must first take out the 4 screws in the corners of the back cover and remove the 4 nut head screws on each side of the communication ports. The cover can now be lifted off the unit.

2. Now you must remove the nut head screws attaching the top board (BTC22) to the rest of the unit. Be careful not to lose the star shaped lock washers under the board when removing the board.

3. Look at the component side of the board and find U12. This is the PAL chip that must be replaced. The name of the corrected filename is G_AC5 (the previous one was G_AC4). This filename can be found on the sticker that is on the face of the chip.

4. Assemble the unit in reverse order of disassembly. Be careful not to over tighten the screws, as they may break.

*Technical assistance may be obtained :*
*In North America EXOR at 1-513-874-4665*
*In Europe EXOR Italy at +39 045 - 8779068*