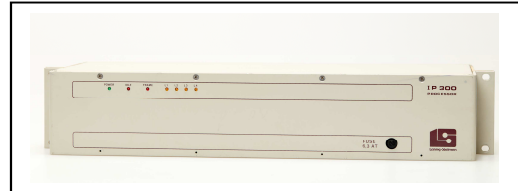


4th of May 2016

Service Bulletin

To: Whom it may concern.

From: JW



SUB: MEMAC system. IP300 processor issues.

Dear Sirs,

Recently we have had issues with the repair of the IP300 processor where we have not been able to repair these units due to total damage of the main PCB. As the product is obsolete, we cannot ensure repair in the future if we do not make any countermeasures.

Battery issue:

Due to the fact that the IP300 processor modules is between 20 and 30 years old there are some problems that may occur.

The backup battery mounted inside the module is a lithium battery, which has a life time of approx. 10 years. After 10-15 years the battery will run out of voltage and then the processor will not be backed up anymore.

Further more and VERY IMPORTANT the battery has a big chance of leaking and damage the boards so that they are not repairable. See pictures on next pages for what happens when a battery is leaking.

Worn out components:

There are also other components on the PCB which are worn out due to age.

To prevent that the IP300 processor replacement program is being obsolete soon, we will strongly recommend that the modules are being replaced with reconditioned modules.

If we have to be able to continue maintaining the systems years to come, it is very important that all the IP300 processor modules on board are being reconditioned (running and spare processors).

If you decide to replace all the IP300 modules presently on board, we can offer you 20% discount.

For further information, please take contact to: memac@bcool.as

Kind regards

John Winther
Marine Superintendent

B COOL Controls A/S
Consulting, Service and Spares
for ships automation systems

Pictures:

