

## 1

## Turn Off the Power

- Isolate the Power Source: Ensure the watermist pump is completely isolated from the power supply. This can be done by switching off the relevant circuit breaker or disconnecting the electrical isolator.
- Lockout/Tagout (LOTO): Apply lockout/tagout procedures to prevent accidental re-energising of the system. Place a physical lock and a visible tag on the power source, indicating that maintenance is ongoing and the system should not be powered on.
- Verify Power is Off
- Test for Voltage: Use a multimeter or a non-contact voltage tester to confirm that no voltage is present at the pump terminals or the electrical supply points.

The purpose of this document is to provide instructions for replacing the printed circuit board on the iCO high pressure pump.

This should only be carried out by an iCO approved installer.

## 2

## Remove pump enclosure

- Remove the two screws from the outer cover. One either side, bottom-front. See red arrow.
- Place hands on cover sides, lift and pull away.



## 3

### Take off the electronics board enclosure

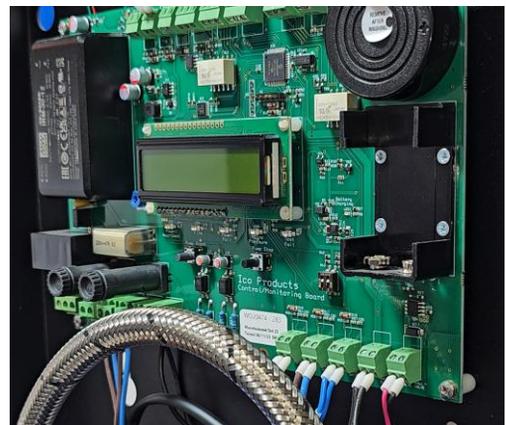
- Undo the two screws from the PCB cover. One either side, bottom position. See red arrow. (Note the screws are retained and will remain in the panel)
- Place hands on cover sides, lift and slide upwards, pull away.



## 4

## Remove battery

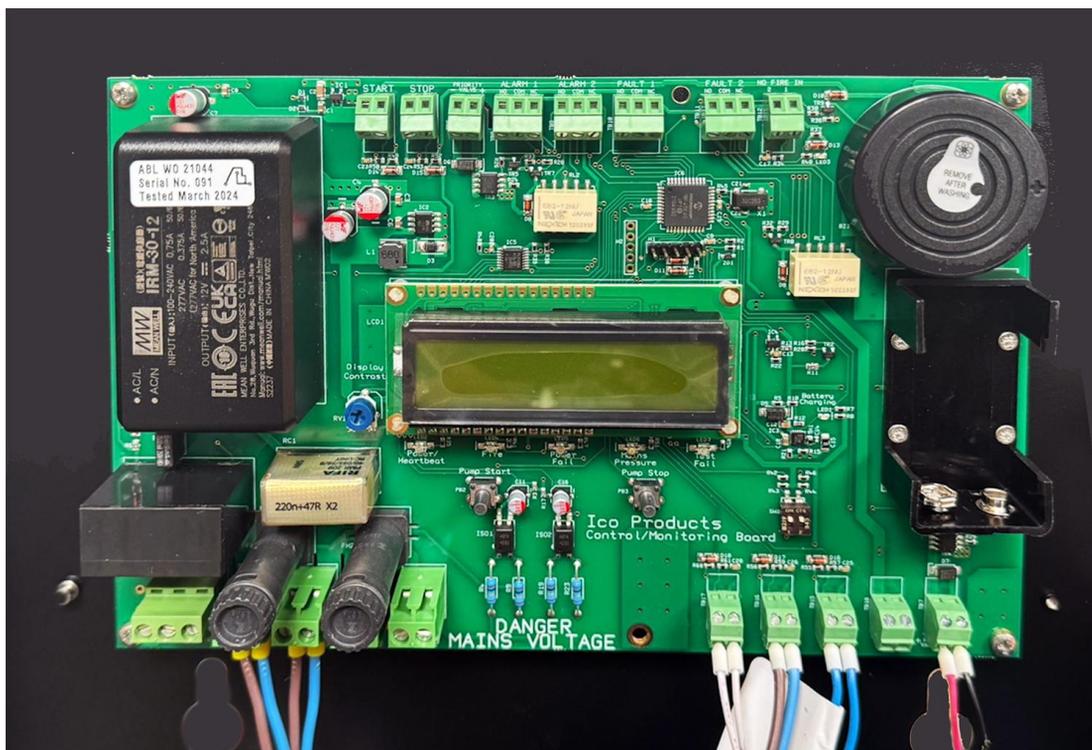
- Remove the backup battery from it's holder by pulling it towards you.



## 5

## Take a picture of the wiring

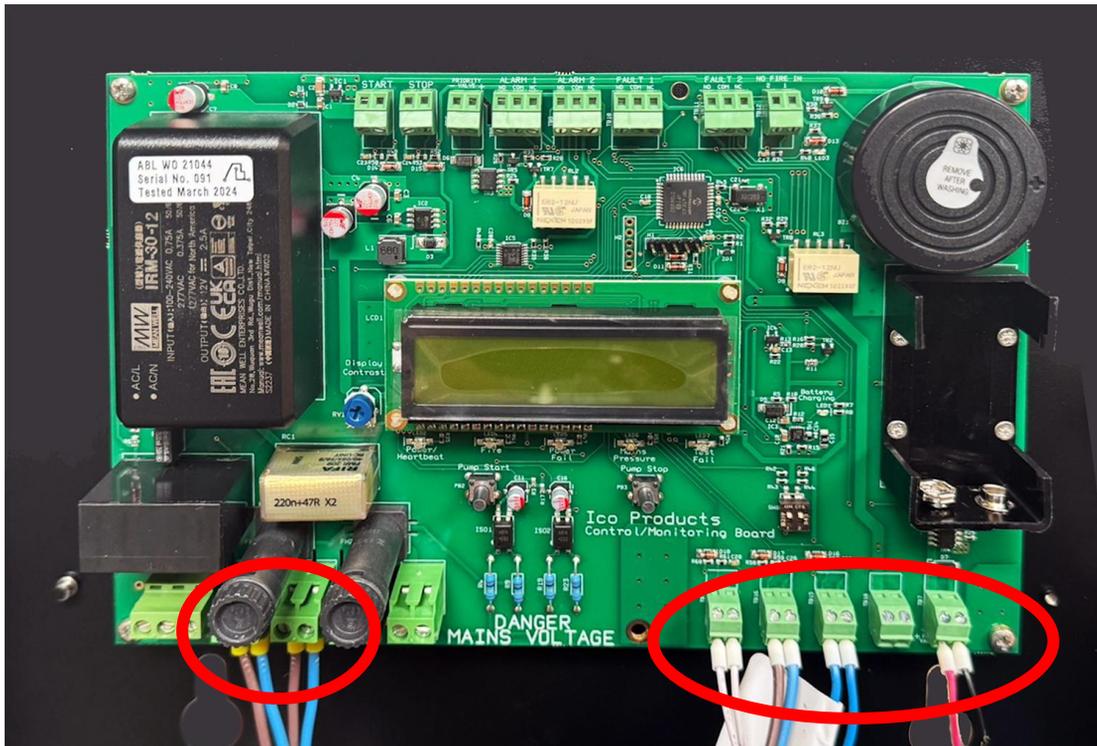
- Take a picture of the wiring for referring to later during installation of the new PCB



## 6

## Disconnect all the wiring

- Unscrew and pull out all of the wires from the screw terminal blocks at the bottom of the PCB



## 7

### Unscrew the PCB and remove it

- Unscrew the 4 screws, one at each corner
- Remove the PCB from the pump



## 8

### Fit the new PCB

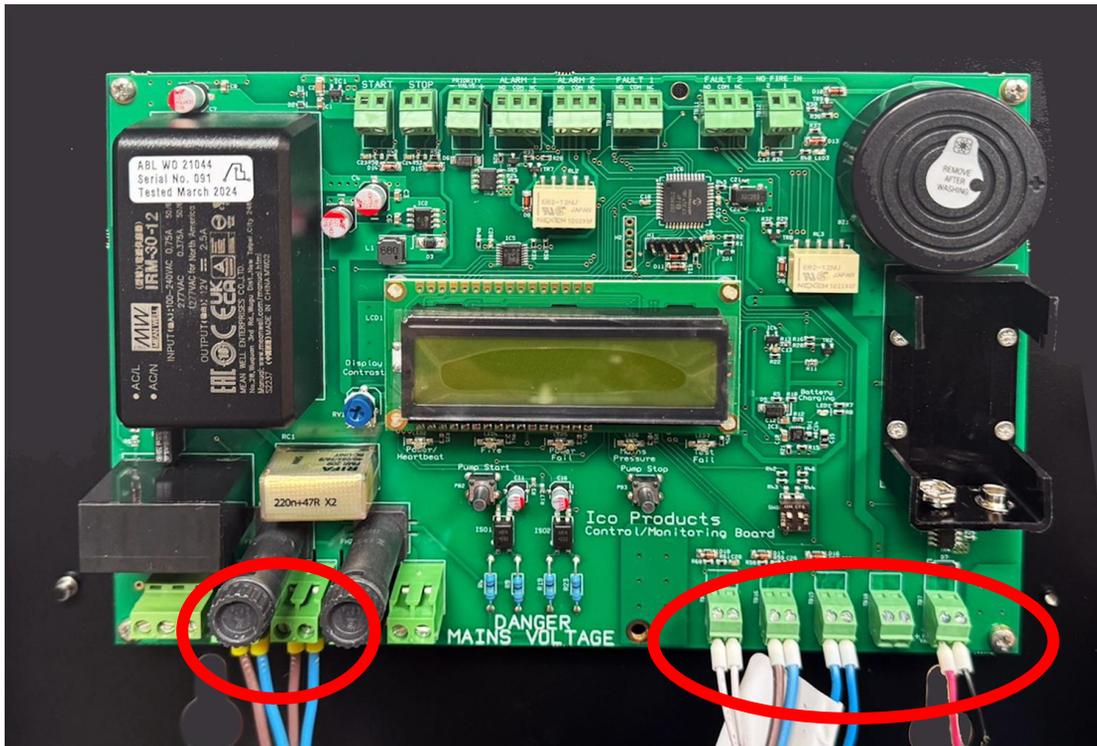
- Put the new PCB into place
- Screw in the 4 screws to retain it, take care to not overtighten them



## 9

## Reconnect all the wires

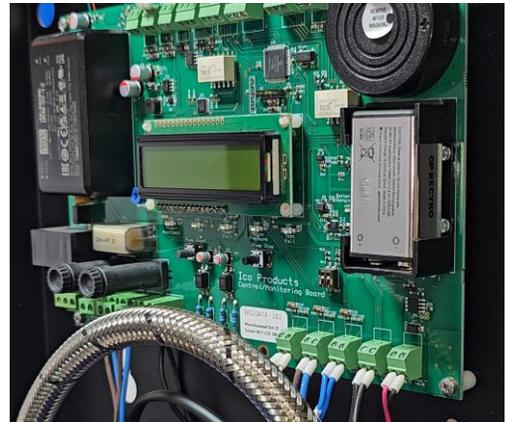
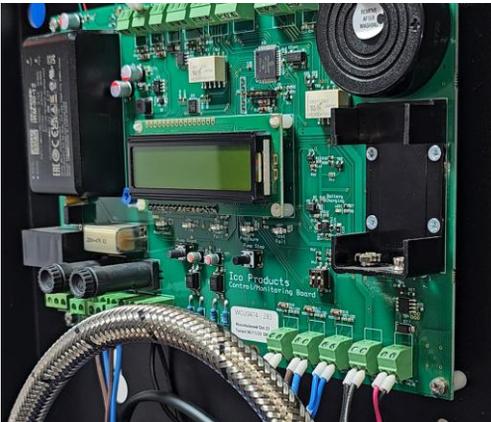
- Refer to the picture you took in step 5
- Reconnect all the wires



## 10

## Reinstall battery

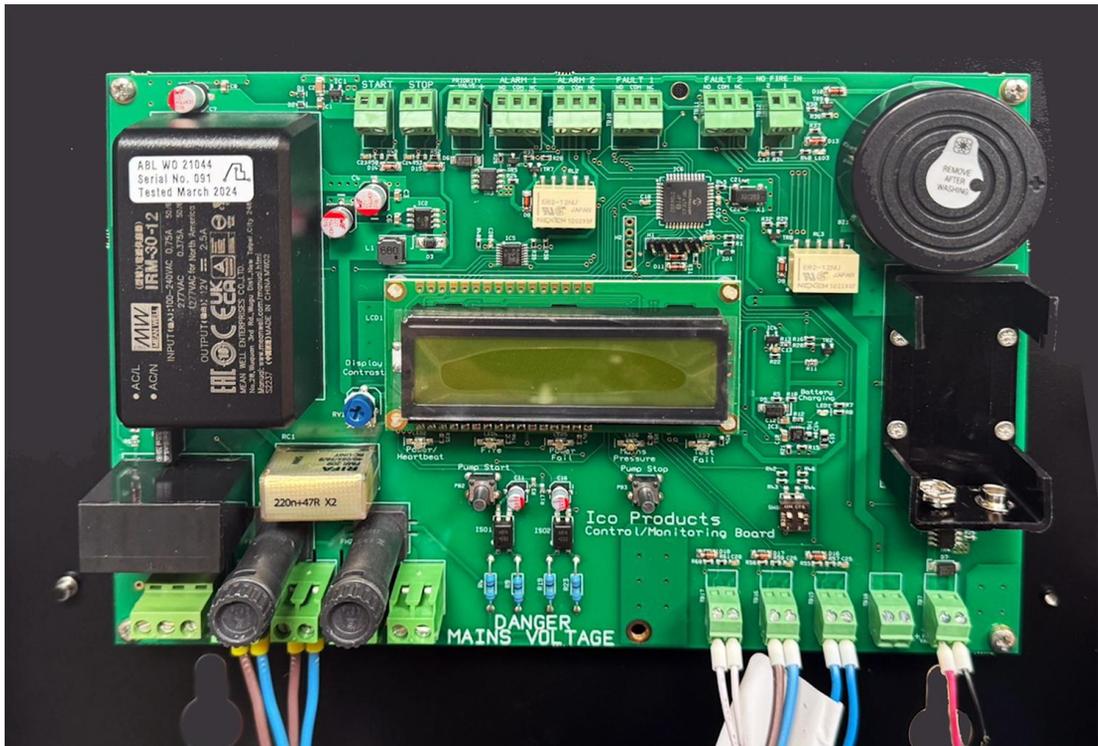
- Refit the battery



## 11

## Power up and test the new PCB

- Connect the mains power and allow test to run



**12**

## Recommission pump and system

- Complete self test
- Check for any leaks
- Refit all enclosures



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