



Pump electrical isolation

There are 3 separate isolators stages for each pump: **1.** Main DNO isolator switch **2.** RCBO module for each pump in the distribution board **3.** Rotary isolator behind each pump. If any of these isolators are switched off the pump/s will not operate.

If the pumps have not been touched for some minutes the HMI screen will be blank BUT the LED indicators always stay on when the pump is powered. IF THE SCREEN IS BLANK, A SINGLE PRESS ON ANY OF THE 4 BUTTONS WILL WAKE THE SCREEN UP.

Pump Status LED's

White LED: Steady or flashing, indicates power to the pump. Steady, the pump is in GO mode. Flashing, The pump is powered but is in STANDBY mode.

Blue LED: Steady light means the pump is correctly communication with other components eg the pther pump/s and I/O box. Slow flashing indicates an error with the communication link, fast flashing indicates communications linking in progress.

Red LED: Indicates a fault with that pump preventing normal operation.

PRESSING THE **SET** KEY FROM ANY MENU SCREEN WILL RETURN TO THE HOME SCREEN (see above).

Enable/Disable

Press the **UP** and **DOWN** keys symeltaneously to toggle between enable and disable modes. *If the pump is already at the setpoint pressure it can be enabled but will not run. Pumps must be enabled and disabled individually*

Setpoint pressure

From the home screen press and hold the **MODE** and **SET** keys symeltaneously for 3 seconds. The menu with change to the SP set point menu where the setpoint of the **system** can be changed using the **UP** and **DOWN** keys. Press **SET** to return to the home screen.

Red Light Faults

The pumps will attempt to clear most common fault situations automatically. If a pump is in fault wake the screen up by pressing a button on the HMI the cscreen will display any current ongoing fault (a full index of fault codes can be found in the manual). Pressing the **UP** and **DOWN** keys symeltaneously will cause the pump to try to restart.

DO NOT attempt to remove the pumps from the base without issolating the power and water supply and draining the system via the drainscrews.