

VP-10 ADJUSTING THE PUMP SPEED WITH THE AC TECH SPEED CONTROL

To change a speed setting, run the watermaker in the mode in which you want to change the speed. For example: If you want to change the run high speed either use the manual run switch or be sure it is running in high with the MPC control.

WARNING ELECTRICAL HAZARD: 120v OR 220v AC POWER PRESENT ON THE TERMINAL BLOCKS WHILE ADJUSTMENTS ARE BEING MADE!

Enter PROGRAM MODE by pushing the Mode button. This will activate the password prompt and the display will read "00". Enter the password (25) with the up and down buttons. When the display reads 25, press Mode. The display will then read P01 which indicates that you have entered program mode. Using the up and down buttons select the desired Parameter that you need to adjust (e.g. P31 for setting run speed.)

The parameter adjustment sequence is;

1. Push **Mode**.
2. Enter password (25) using up or down arrow.
3. Push **Mode**, display should change to P-01.
4. Scroll up to the parameter you want to adjust, push **Mode**.
5. Parameter setting is displayed, adjust as required and press **Mode** to save. Note if you do not press **Mode** after making an adjustment the change is not saved.
6. Press **Mode** again and the display will come back to the parameter (P-XX).
7. Go to next parameter or wait two minutes and the display will return to run mode.

To increase the run speed beyond 60 Hz;

- First you will need to adjust the Maximum Frequency limit (P-24) to 70Hz (the default is 60Hz), which will allow you to increase the motor speed up to 70Hz.
 - Scroll to P-24, press Mode.
 - Change setting from 60 to 70 and press Mode again to save setting.
 - Press Mode once more and it will go back to displaying the parameter, P-24.
- Scroll up to P-31 (run high speed). The speed settings are displayed in Hertz (the cycles per second of the AC output power frequency). Use the up and down buttons to change the setting and then press Mode to save the new setting. Change the setting up to 3 Hertz at a time and then check the product flow rate. The pump speed will change, and the controller will enter parameter select mode. To continue changing the same parameter until the desired pressure or flow rate is achieved, Press the Mode button two more times. This will bring you back to Program mode in the same parameter.
- If no buttons are pushed for two minutes the controller will require the password to be entered again.