

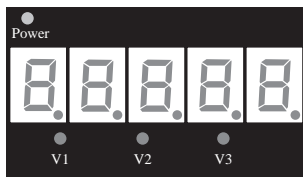
# User Quick Start Guide



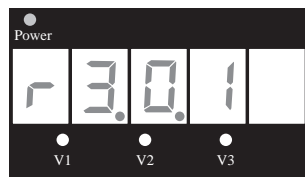
Interface Panel

## Initial Start Up

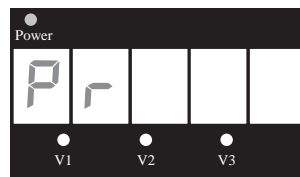
After plumbing and connection is complete, the VSD must be configured prior to use. When power is applied to the drive the four informational screens below are displayed in order from left to right.



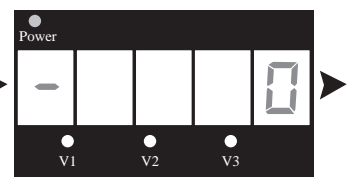
This is shown on the screen when the pump is powered up.



This is the second screen displayed and shows the motor software revision.



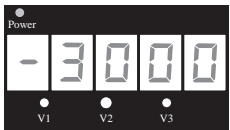
This screen is only displayed if Prime Mode is activated.



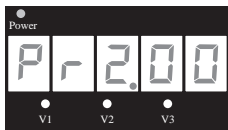
When Prime Mode is active this screen ramps up to 3000rpm with a rotating circle in block 1

*Note: If the Prime Mode is disabled, after informational screens 1 and 2 the standard running screen for speed V3 will be displayed, bypassing informational screens 3 and 4.*

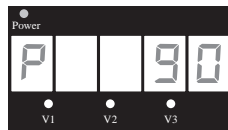
By pressing the **DISP/FUNC** button during the Priming Cycle you will be able to scroll through the screens shown below in order from left to right.



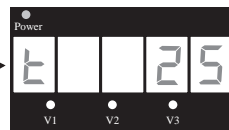
This is the screen that is automatically displayed for Prime Mode and is displaying pump rpm.



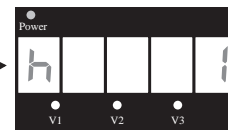
Press DISP/FUNC button once and the Prime Time remaining is displayed with the time decreasing.



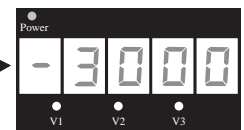
Press DISP/FUNC button again and the power being used is displayed in Watts ( $\pm 10\%$ ).



Press DISP/FUNC button again and internal motor temperature in Degrees Celsius are displayed.



Press DISP/FUNC button again and total motor running hours are displayed.



Press DISP/FUNC button again and the display returns to the first screen showing rpm.

Once the Priming Cycle has finished, the pump will then run in Speed V3 for a prescribed time. When the Speed V3 program has finished the pump will switch to V1 until the speed is changed manually or there is a loss of power.

When the pump is operating in any speed from V1 through V3, by pressing the **DISP/FUNC** button you will be able to scroll through the screens shown below in order from left to right.



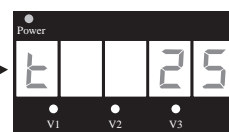
This is the default rpm screen for speeds V1, V2 and V3, displaying real time rpm.



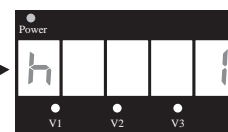
Press DISP/FUNC button once and the time remaining for that speed is displayed. (For V2 and V3 Only)



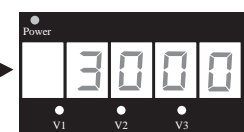
Press DISP/FUNC button again and the power being used is displayed in Watts ( $\pm 10\%$ ).



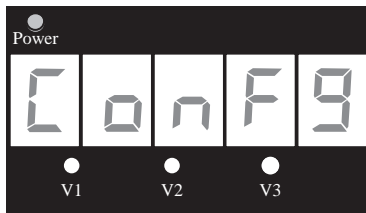
Press DISP/FUNC button again and internal motor temperature in Degrees Celsius are displayed.



Press DISP/FUNC button again and total motor running hours are displayed.

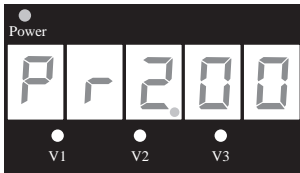


Press DISP/FUNC button again and the display returns to the first screen showing rpm.



## Configuration Menu

To ensure that the pump speeds and timers are setup according to the site specific individual requirements, access the Configuration Menu by **pressing and holding the DISP/FUNC** button for several seconds until the ConFg screen appears.

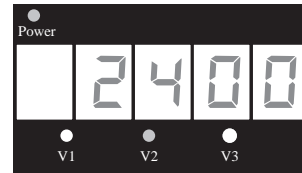


The first Configuration Menu screen is used to adjust the duration of the priming time.

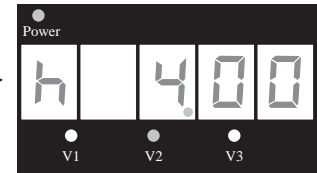
Press or hold down either ▲ or ▼ arrow buttons to adjust the run time between zero and 4 minutes. A setting of zero disables the priming cycle. Press **DISP/FUNC** button to advance to next screen.



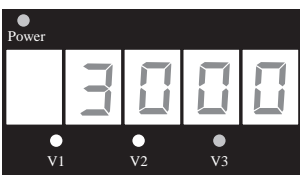
This screen allows the speed of V1 to be adjusted between 600 rpm and 3000 rpm by pressing or holding down either ▲ or ▼ arrow buttons. Press **DISP/FUNC** button to advance to the next screen.



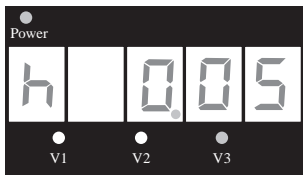
This screen allows the speed of V2 to be adjusted between 600 rpm and 3000 rpm by pressing or holding down either ▲ or ▼ arrow buttons. Press **DISP/FUNC** button to advance to the next screen.



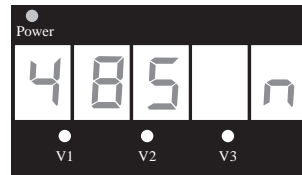
This screen allows the timer of V2 to be adjusted between 5 minutes and 18 hours by pressing or holding down either ▲ or ▼ arrow buttons. Press **DISP/FUNC** button to advance to the next screen.



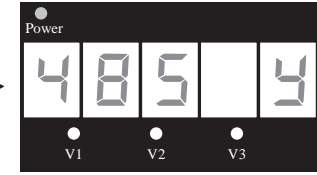
This screen allows the speed of V3 to be adjusted between 600 rpm and 3000 rpm by pressing or holding down either ▲ or ▼ arrow buttons. Press **DISP/FUNC** button to advance to the next screen.



This screen allows the timer of V3 to be adjusted between 5 minutes and 18 hours by pressing or holding down either ▲ or ▼ arrow buttons. Press **DISP/FUNC** button to advance to the next screen.



This is the display for RS485 Control Mode selection. The current display shows that RS485 Control Mode is NOT selected and is in "Stand Alone" Mode. To leave the pump in "Stand Alone" Mode press **DISP/FUNC** to exit the Configuration Menu. Press either of the ▲ or ▼ arrow buttons to change modes.



This screen shows that RS485 Control Mode has now been selected. To save this selection, press the **DISP/FUNC** button. The pump will now enter RS485 Control Mode.

When in configuration mode, the LED for the speed being configured will be constantly "**FLASHING**". When exiting configuration mode all three of the speed LED's will "**FLASH**" to signify that all settings have been saved. If the configuration mode has not been completely exited, after 2 minutes of inactivity the controller will save all of the settings excluding the current screen settings and exit configuration mode.

### Quick Speed Change

Use the ▲ and ▼ arrow buttons to quickly adjust the current speed that the pump is running at. When a quick speed change is performed the LED for the changed speed will be "**FLASHING**". The LED will continue to flash until the speed is saved, or until the timer runs out for that speed or the power is cycled to the pump. The new speed is only saved by pressing simultaneously the ▲ and ▼ arrow buttons and then the LED for that speed will illuminate solid.

**Note:** For full OmniLogic and RS485 connection instructions please refer to the TriStar TS540VS Owner's Manual 30-LITNSB017 and the Communication Cable Connection Manual 30-LITNSB019.