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# **ProcessDefender Power Monitor Tips**

This document is not intended to replace the ProcessDefender Instruction Manual. It is important to follow the installation and set up procedures detailed within the manual.

When properly installed and programmed, the ProcessDefender power monitor provides outstanding protection against pump failure due to run dry, dead head, excess power and lack of power (SP Series). Listed below are some tips to help avoid common issues during installation and programming.

- Carefully follow the installation instructions in both the Instruction Manual and the Quick Start Guide.
- A common problem is using an incorrect number of wire wraps/passes on the Current Transducer. This is set in Menu 2.5.1 and for guidance, a reference can be found in the 'Getting Started' section in the Instruction Manual.
- Ensure the desired unit of measurement has been selected. This is set in Menu 2.2.1 of the ProcessDefender.
- Make sure the Motor Power (2.2.2), Current (2.4.1) and Phases (2.6.1) are set. Refer to section in the Instruction Manual titled 'Menu 2 - General Configuration' for additional guidance.
- If protecting an SP pump, set the start delay period for long enough to get the pump to prime (~360 seconds recommended). This setting is in Menu 2.3.1; for additional guidance, refer to the section titled 'Menu 2 - General Configuration' in the manual.
- Start the pump and follow the AutoSet instructions in Section 5.2 of the Instruction Manual.
- If changes are made to any of the to any of the programmed parameters, it is important to repeat the AutoSet procedure.

## **Test to make sure the monitor is working properly!!! Do not assume!!!**

- Close the discharge valve. The pump should stop.
- Close the suction valve. The pump should stop.
- Do not leave either valve closed for more than five-seconds.