



Cycle Sensor

Model CS3PH1-500HP

Troubleshoot

Please Note: To view a fault on the Cycle Sensor display, you must be able to see the Sensor display before turning off the power to the panel. Fault display is lost once the power has been turned off.

Fault Displayed

Remedy

1: **DRY** - the pump has been shut down on under-load.

Push the "Reset Button" on the Cycle Sensor or turn power to the unit off and back on.

If pump goes off on DRY again, it could indicate that you need to reset your under-load setting or that your pump is actually running dry or air locked.

2: **RCYC** - the pump has been shut down because of rapid cycling.

Push the reset button on the Cycle Sensor or turn power to the unit off and back on.

If pump goes off on RCYC again, it may indicate that you need to reduce the rapid cycle run time or that you have a problem that caused the rapid cycling. (i.e. Leaky check valve, Cycle Stop Valve malfunction, improperly sized tank, waterlogged tank, or improper pressure switch settings or chattering contacts caused by incorrect placement of PS in system) Correct problem before the pump is allowed to run on automatic again.

3: **000** - the pump has power but is not running.

Make sure the pressure switch or other control is made and calling for the pump to run. You may need to release water from the tank to decrease the pressure to make the pressure switch close. If the pump fails to start, check pump overloads and wire connections. This is not a fault.

4. **Numbers** other than 000 in display - the pump is running and this is an indication of the amp draw.

Check incoming power supply to motor and Cycle Sensor.

5. **No display** - the Cycle Sensor or the pump have lost power.

Change CT ratio (See installation instructions).

6. **Incorrect amps** are displayed.

Calibrate the Cycle Sensor by setting the Current Adjust to read the same as an amp meter with the pump running. While holding the "Current Adjust" button press the "Manual Reset" and hold both for seven seconds or until the display blinks. Release all buttons and the Cycle Sensor should read the same as the amp meter. Note: When doing this you will have to reset your Current Adjust setting. (Step 4 in instructions)

7. **Sensor will not adjust.**

Unlock adjustment settings by holding the up and down button at the same time.