(IR) **Assembly Solutions**

Application Services

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Problem:

Temperature control system can not hold temperature steady.
The temperature fluctuates constantly, varying more than +/- 5 degrees F. The variation in temperature contributes to the variation in volume being dispensed.

Root Cause:

The PID values for the temperature controller are not optimized.

Solution:

Set the PID values as shown in figure 1.

SETTINGS FOR
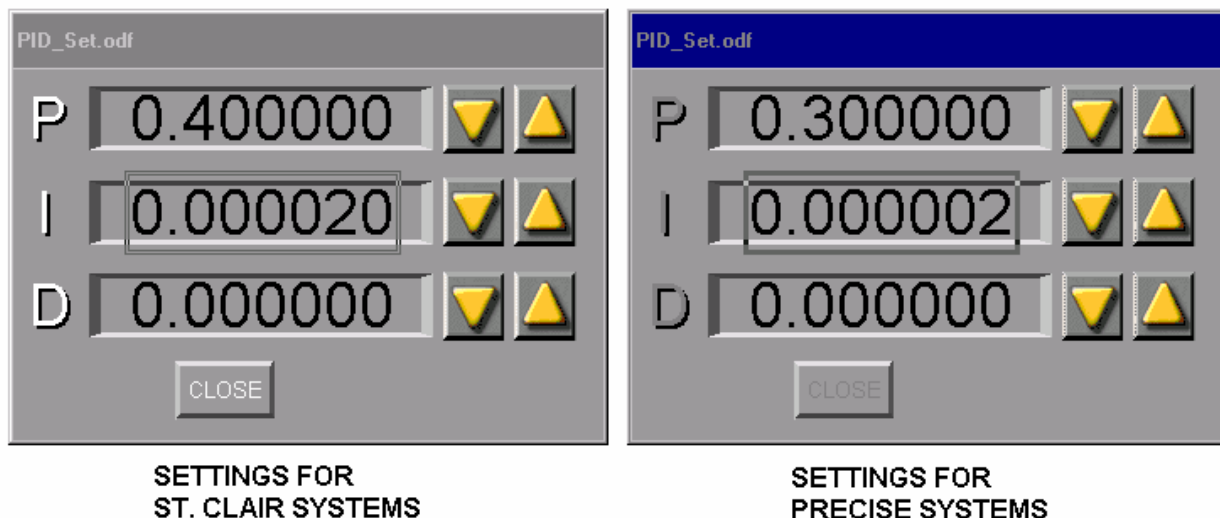ST. CLAIR SYSTEMS

SETTINGS FOR
PRECISE SYSTEMS

Figure 1

Procedure:

The new PID screens should be installed so that numbers smaller than 0.1 can be seen.
1. Copy TEMP-FIX.EXE to AutoStream hard drive and execute. This installs new PID entry screens.
2. In the settings screen of the AutoStream software, tap the PID button on the Temperature Controller.
3. Enter the values shown in Figure 1.

Conditions:

The new settings **will not** control the temperature so that the actual temperature is the set point.

The new settings **will** stabilize the temperature so that it does not fluctuate greater then +/- 2 deg F.
The actual temperature **will** be lower then the set point.