

Ziegler-Nichols Loop Tuning

Warning: There is the possibility for the loop to go unstable. Use caution as gain is increased.

1. From the Home Screen, touch the Channel icon for the loop to be tuned
2. Touch Settings > PID Params
3. Choose a Set Point temperature
4. Set Proportional Gain (G_p) to 0
5. Turn off Integral and Differential portions of the loop (T_i & T_d , respectively)
6. While monitoring the error in temperature on rolling graph, **slowly** increase G_p until the error begins to oscillate.
7. Use the Cursors enabled from the

From:

<https://www.vescent.com/manuals/> - **Product Manuals**

Permanent link:

<https://www.vescent.com/manuals/doku.php?id=slice:z-n&rev=1554217021>

Last update: **2021/08/26 14:26**

