



Objective

To configure the 590 drive with PID trim to line speed.

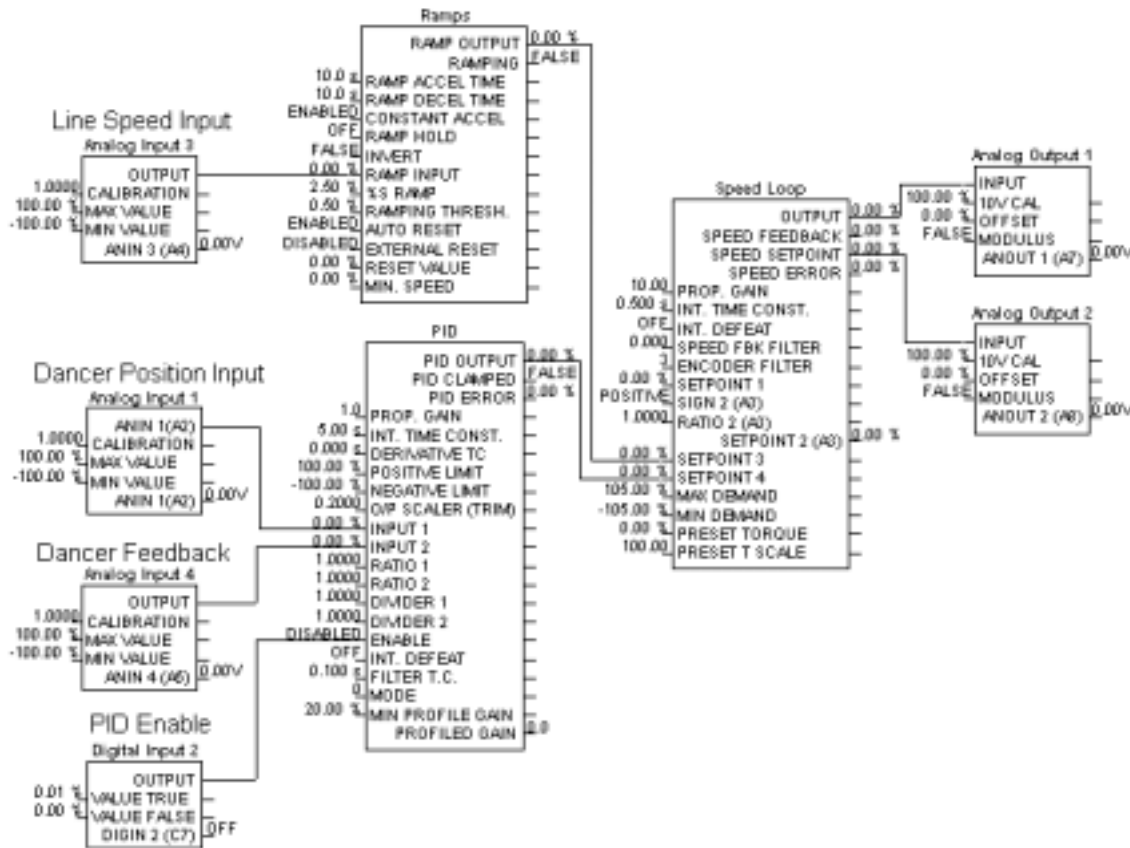
Equipment

590 / 590+ DC drive (> v3.2), computer with ConfigEd Lite (> v.4.02) installed

Procedure

1. Launch ConfigEd Lite on the computer. For details, see ConfigEd Lite manual RG352747
2. Under FILE::NEW, open the default configuration of the drive you have, (example: DEFAULT5.590). Ensure that the name on the lower left corner matches the drive you are working on.
3. Delete the Analog Inputs 1, and 4 OUTPUT connections.
4. Delete the Digital Input 2 OUTPUT connections.
5. Connect the Analog Input 1 OUTPUT to the PID::Input 1.
6. Connect the Analog Input 4 OUTPUT to the PID::Input 2.
7. Connect the Digital Input 2 OUTPUT to the PID::Enable.
8. Connect the PID::Output to Speed Loop::Setpoint 4.

Note: The PID O/P Scaler can be adjusted to limit the PID output. The gains of the PID block can be adjusted for the desired performance.



If you have questions, please call the Product Support Group at (704) 588-3246.