

## Objective

To configure the 590 drive to select three separate analog inputs using digital inputs.

Note: The speed setpoint will be the sum of all the analog inputs connected to the digital inputs that are ON. To ensure that only one analog input is used, external control logic is required for the digital inputs.

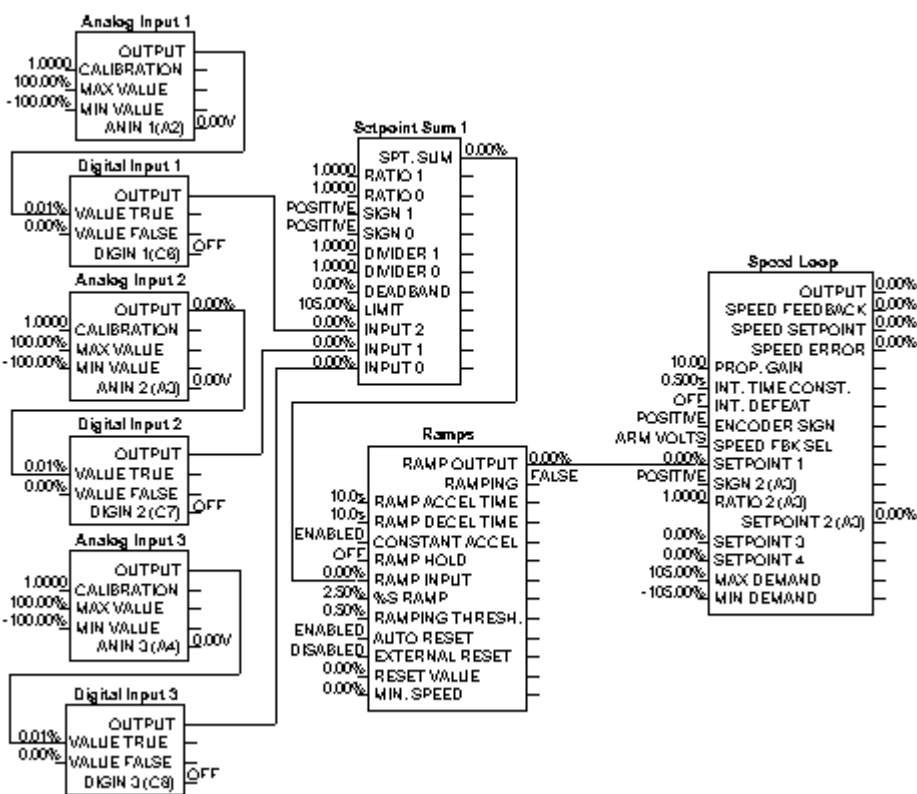
## Equipment

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: DEFAULT4.590). Ensure that the name on the lower left corner matches the drive you are working on.
3. Delete the Analog Inputs 1, 2, and 3 OUTPUT connections.
4. Delete the Digital Inputs 1, 2, and 3 OUTPUT connections.
5. Delete the Setpoint Sum 1 OUTPUT connection.
6. Delete the Ramp OUTPUT connection.
7. Arrange blocks to allow the Analog and Digital Inputs to be connected in the same area.
8. Connect the Analog Input 1 OUTPUT to the Digital Input 1 VALUE TRUE.
9. Connect the Analog Input 2 OUTPUT to the Digital Input 2 VALUE TRUE.
10. Connect the Analog Input 3 OUTPUT to the Digital Input 3 VALUE TRUE.
11. Connect the Digital Input 1 OUTPUT to the Setpoint Sum 1 block INPUT 2.
12. Connect the Digital Input 2 OUTPUT to the Setpoint Sum 1 block INPUT 1.
13. Connect the Digital Input 3 OUTPUT to the Setpoint Sum 1 block INPUT 0.
14. Connect the Setpoint Sum 1 OUTPUT to the Ramp block RAMP INPUT.
15. Connect the Ramp block RAMP OUTPUT to the Speed Loop block SETPOINT 1.

The figure at the right shows the final configuration.



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