



Objective

To configure the 650V drive for the Encoder feedback feature.

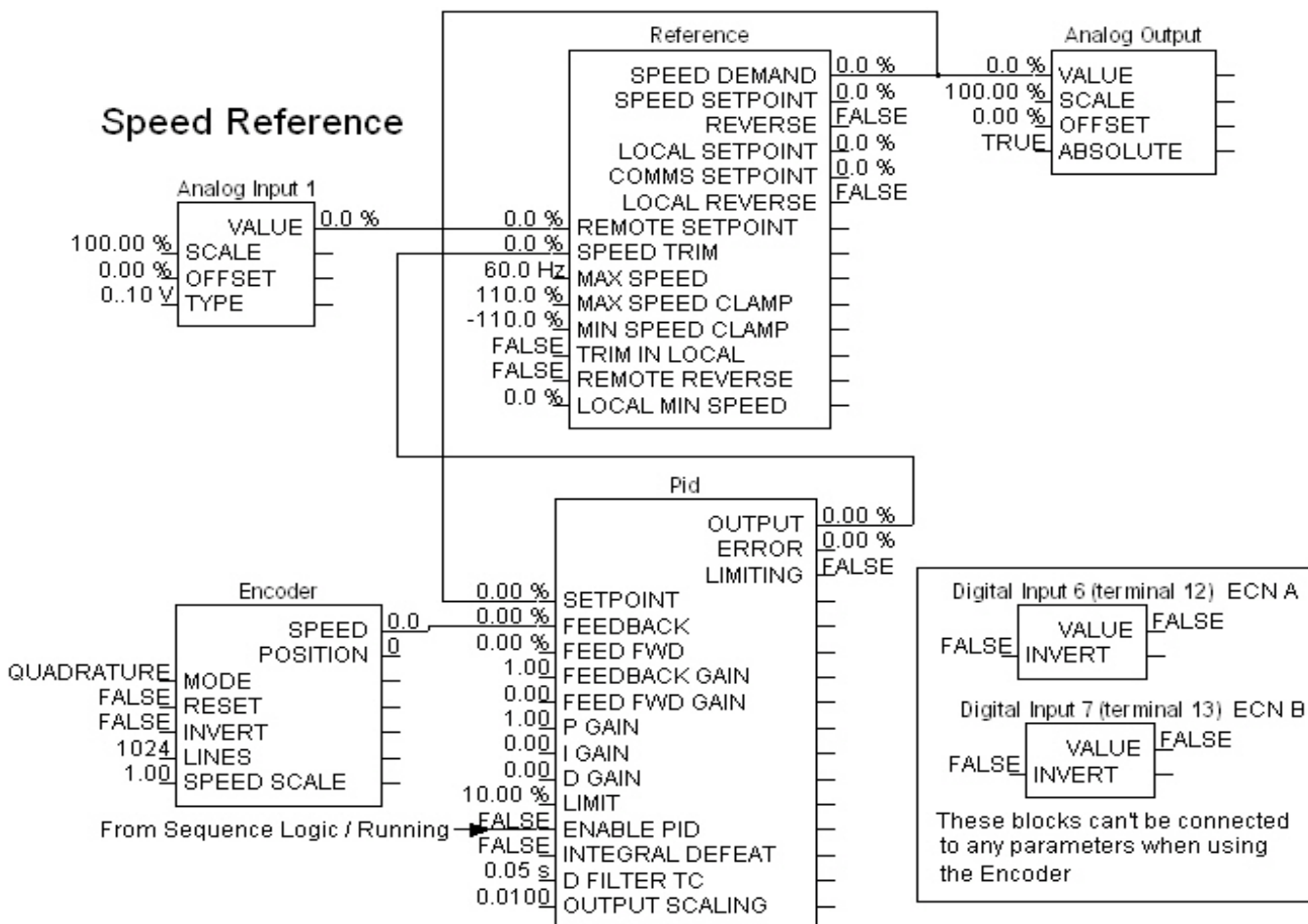
Equipment

650V AC drive, Encoder (Single Ended Quadrature) and the software DSELite.

Procedure

The 650V drive has an *Encoder* function block. The encoder block can be configured as a ‘trim feedback’ which will help improve the steady state speed regulation, when an encoder is mounted to the motor.

1. Connect a single ended encoder Channel A to terminal 12 (Digital Input 6 / ENC A) on the 650V drive and connect Channel B to terminal 13 (Digital Input 7 / ENC B) on the 650V drive. The drive does not have provisions for an encoder supply.
2. Using DSELite, open a ‘default.65V’ template and configure the drive as shown below.
3. Also if a connection is made to Digital Input 6 and to Digital Input 7 in the DSELite template, delete it. There should not be any connections made to these two blocks.
4. In the *Encoder* block, enter in the *Lines* of the encoder ppr.
5. Adjust the *PID* parameters for best performance.



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