

Encoderless with Deadband Option

A new option was added to the firmware in version 4.01 of the Bulletin 1336 Impact drive. This selection was added to the FDBK DEVICE TYPE parameter (Pr #64). If bit 4 is selected, it offers the added selection of “encoderless w/ deadband”. This option functions as it does in the Force drive. When the commanded speed reference drops below approximately $1/60^{\text{th}}$ of base motor speed, the drive zeros the regulator. This allow the motor to remain stationary until the velocity reference raises above $1/60^{\text{th}}$ of base speed, at which time it will continue to follow the speed reference.