

P5000 Stepper Drive-Controller

Big Performance, Micro Package.

Introducing the New Kollmorgen P5000 Stepper Drive.

The P5000 is a compact micro-stepping stepper drive optimized for high system performance with Kollmorgen's industry leading POWERMAX II stepper motors. It is an impressive yet simple addition to the Kollmorgen stepper drive family.

Optimized. Smooth. Compact.

Pairing a stepper system doesn't get any easier! The P5000 and Kollmorgen stepper motors are meant to be together. With Kollmorgen motor windings optimized for the P5000, all you have to do is set the dip switches for the motor you are paired with and you have a smooth operating system that fully utilizes the potential of your Kollmorgen motor and drive combination!

Features

- Current output from 0.7-3.5 Arms peak; DIP switch selectable in 0.2 Amp increments
- Bus Voltage 20-75 Vdc
- Wave matching for Kollmorgen motors to provide optimal performance for the Kollmorgen Stepper Motor Families.
- All Inputs and Outputs are Optically Isolated
- Command Source from External Step and Direction Inputs or Internal Velocity Controlled Oscillator (VCO); DIP switch selectable
- External Single-Ended Step and Direction Command
 - Disable or Fault Reset Input
 - Fault or Enable Output
- VCO Mode
 - CW Limit Input
 - CCW Limit Input
 - Run/Stop Input
 - Run/Stop Output
 - CW Speed trimpot
 - CCW Speed trimpot
 - Accel/Decel trimpot
- DIP switch selectable micro-stepping-resolution settings
- Pulse Multiplier smooths micro-stepping*
- Idle Current Reduction; DIP switch selectable
- Compensation for mid-range instability*
- RoHS & CE certified
- UL pending



P5000 Stepper Drive
(Shown Actual Size)



*Patents Pending

P5000 Drive-Controller Outline Drawings with Dimensions

