

SD200 Modular Drive Module  
An economical, efficient and high speed performer

**Features**

- 2.5 amp Modular Drives
- Low cost
- PCB mount
- Compact size
- Adjustable current limit
- Up to 2.5 amperes per phase
- Limited short circuit protection (phase-to-phase)
- PWM bipolar design for efficient high speed operation
- Full/half step operation (200/400 steps/revolution)
- Pulse and direction input
- Wide supply voltage range
- Programmable motor phase current and chopper frequency
- Selectable slow-fast current decay
- Synchronization for multi-motor applications
- Compatible with Superior's MO60 and MO90 (NEMA 23 & 34) size step motors
- Remote shut-down capability
- Home Position Indication



The SD200 modular drive module is your low-cost, dependable alternative. It is specifically designed for PC board mounting and a wide variety of OEM, multi-axis, and stand-alone applications.

This bi-polar, PWM drive efficiently delivers maximum torque over speeds up to 400 steps per revolution in half-and full-step increments. Plus, it's highly compatible with controllers limited in pulse rate frequency.

Selectable output current levels up to 2.5 amps provide ease of drive-to-motor matching. What's more, the SD200 requires only a single 12 to 40 Vdc input power supply, and a simple pulse input for precision stepping and direction control.

Compact in size, this modular drive is built with a rugged, all-aluminum enclosure that provides an excellent heat sink, and requires no external heat sink when operated at less than 2.5 amps (case ambient temperature less than 185°F [85°C] during operation). In fact, for every 10°F reduction in running temperature, product life expectancy doubles.

Rugged dependability that's soft on your budget . . . that's the SD200 Modular Step Motor Drive Module from Superior SLO-SYN.

