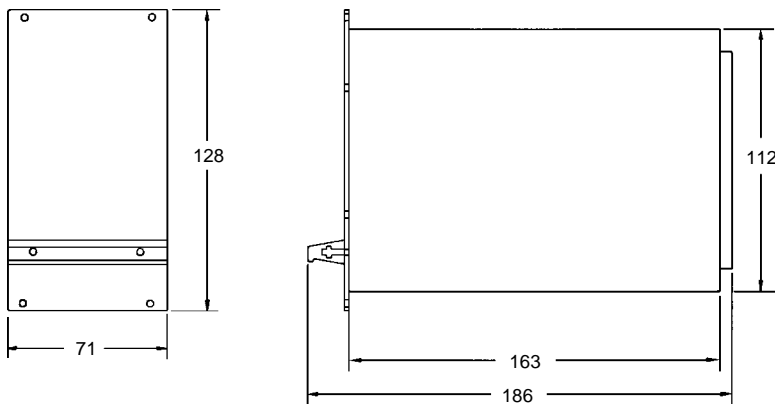
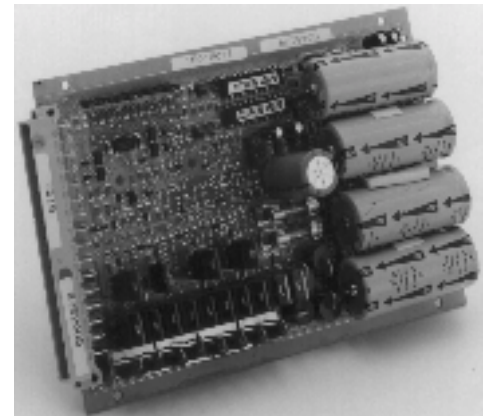


FEATURES

- ◆ Bipolar chopper stepper drive
- ◆ Full, half & mini (SD15M) stepping modes
- ◆ Selectable motor current allows drive to be matched to a wide range of motors
- ◆ Built-in circuit protector guards against shorts between or across motor windings
- ◆ Flexible input power supply requirements allow operation from unregulated DC supply or secondary winding of isolation transformer
- ◆ Separate logic & motor supply inputs allow use of 60V DC motor supply for extra torque at high speeds
- ◆ Built-in ramped oscillator, 30 to 20000 steps / sec in two ranges



SD Drivers shown with front panel



(For use with Centurion Single-Axis Controller)

| SPECIFICATIONS | Catalog Number | | | |
|-------------------------------------|---|--------------|--------------|--|
| | H20K16-SD12A | H20K16-SD13A | H20K16-SD15A | H20K16-SD15M |
| Nominal Output Current (2 phase on) | 2A | 3A | 5A | 5A |
| Suitable Motor Current Range | 1.5 – 3A | 2 – 4A | 4 – 6A | 3.5 – 5A |
| Motor Supply Voltage | 24 – 60V DC, or 18 – 0 – 18V to 44 – 0 – 44V AC | | | |
| Logic Supply Voltage | 24V DC or 18 – 0 – 18V AC | | | |
| Minimum Motor Inductance | 1 mH | | | |
| Nominal Chopping Frequency | 20 kHz | | | |
| Maximum Stepping Rates | 10 kHz (full step), 20 kHz (half step) | | | 20kHz (4000 step / rev) |
| Internal Oscillator Speed Ranges | Slow (not ramped) 30 – 1000 steps / sec Fast (ramped) 600 – 20000 steps / sec | | | Slow (not ramped) 3 – 135 rpm Fast (ramped) 60 – 3500 rpm |
| Preset Ramp Times | Acceleration: 60 ms, Deceleration: 30 ms | | | |
| Suitable Motor Types | 4, 6, 8 lead (5 lead not suitable) | | | |
| Input Logic Levels | Low: 0 to +2V or short circuit to 0V High: +10 to +12V or open circuit | | | |
| Input Impedance | 4.7k pull-up to +12V | | | |
| Logic Outputs | Open-collector NPN transistors; Low level: +1V max. at 15 mA max., High level: +25V max. | | | |
| Operating Temperature Range | 0°C to +50°C | | | |
| Weight | 0.2 kg | | | |