

FEATURES

- Fully-packaged with integral power supply heat sink and line cord
- User-selectable full & half stepping modes
- 8 switch selectable motor currents from 1 to 2 amps
- Two-part screw terminal connections allow for quick disconnect
- Operates directly from 120/240 VAC without external transformer
- Phase-to-phase short circuit protection
- Built-in jog oscillator provides manual positioning
- Compact (6.5" x 5" x 3") enclosure with integral heat sink



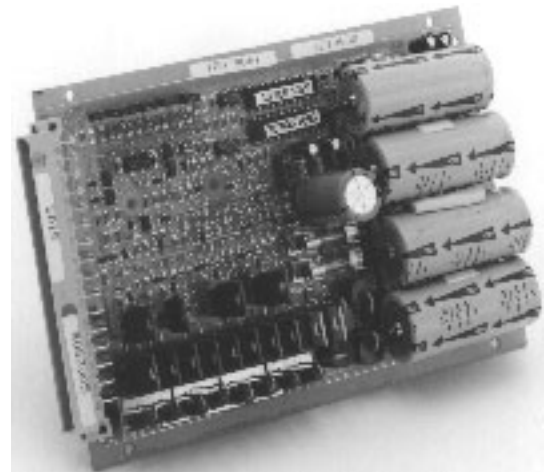
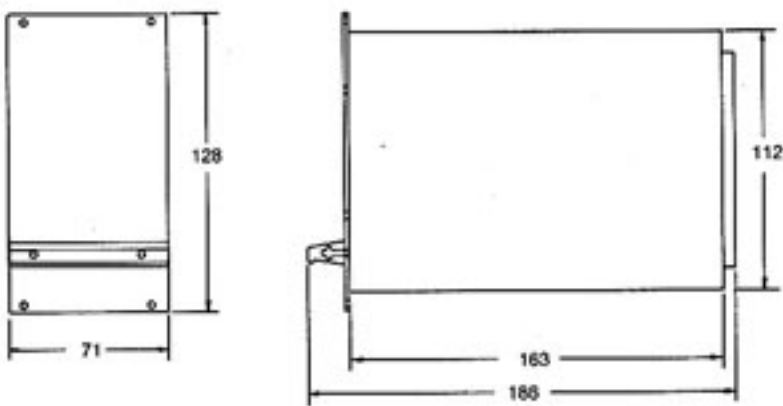
CATALOG NUMBER
H20K16-PK2

SPECIFICATIONS

Nominal Output Current (2 phase on)	1-2A, adjustable
Type	Bipolar chopper
Drive Supply Voltage	36 VDC
Minimum Motor Inductance	1 mH (1-10mH is suggested)
Nominal Chopping Frequency	15 kHz
Maximum Stepping Rates	10 kHz (full step), 20 kHz (half step)
Internal Oscillator Speed Ranges	Slow (not ramped) 40 - 1,000 steps / sec. Fast (ramped) 400 - 10,000 steps / sec.
Preset Ramp Times (for fast ramping)	Acceleration: 60 mS, Deceleration: 30 mS
Input Logic Levels	Low: 0 to +2V or short circuit to 0V High: +10 to +12V or open circuit
Input Impedance Logic	4.7K pull-up to +12V
Input Power (Volts)	105-125 VAC or 200-250 VAC; 50/60 Hz
Operating Temperature Range	0° - 50°C
Maximum Heat Sink Temperature	85°C

FEATURES

- Bipolar chopper stepper drive
- Full, half & mini (SD15M) stepping mode
- 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

SPECIFICATIONS	Catalog Number			
	H20 K16-SDI2A	H20K1 6-SDI3A	H20K1 6-SD 15A	H20K1 6-SD1 5M
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 — 1 8V to 44 - 0 - 44V AC			
Logic Supply Voltage	24V DC or 18—0—1 8V 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	Slow (not ramped) 30—1000 steps/sec		Slow (notramped)3 - 135 rpm	
Speed Ranges	Fast (ramped) 600 —20000 steps / sec		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)			
In put Logic	Low: 0 to +2V or short circuit to DV			
Levels	High: +10 to +1 2V or open circuit			
Input Impedance	4.7k pull-up to +12V			
Logic	Open-collector NPN transistors;			
Outputs	Low level: ÷1V max. at 15 mA max., High level: +25V max.			
Operating Temperature Range	0°C to +50°C			
Weight	0.2kg			