

## Bipolar Chopper Drive #DCS4020

The Haydon™ DCS4020 Chopper Drive by HaydonKerk Motion Solutions™ delivers optimum performance throughout a greater speed range. This new technology drive has been designed for easy set up and use. The Haydon DCS4020 is ideal for development projects where a single power supply is all that is necessary to easily run the motor. The motor current is set using an on-board potentiometer and no external current setting resistors are required.

The DCS4020 is also feature-packed. The Driver provides all the basic motor controls including full or half-stepping of bipolar steppers, directional control, and output enable control. An oscillator circuit is standard on the drive with an on-board speed control potentiometer. In addition, external input/output signals allow complete remote control of all drive functions. All electrical connectors have removable plugs incorporating screw type terminals.



### Bipolar Chopper Drive #DCS4020 Features

- On-board or external step pulse clock
- On-board or external single step switch
- On-board or external step rate control potentiometer
- On-board or external direction control
- On-board or external full step / half step control
- On-board or external outputs enable control
- On-board current control potentiometer

### Bipolar Chopper Drive #DCS4020 Technical Data

<b>Size:</b>	4.47-in x 3.38-in x 1.31-in (113.54 mm x 85.85 mm x 33.27 mm)
<b>Power Requirement:</b>	Single unregulated, providing +20 VDC to +40 VDC
<b>Output Current:</b>	Fully adjustable from 66 mA rms/Ø to 2 A rms/Ø continuous duty
<b>Continuous rating:</b>	2 A rms/Ø
<b>Peak, non-repetitive rating:</b>	3 A/Ø
<b>Chopper Frequency:</b>	~20 Khz
<b>Onboard Oscillating Range:</b>	<10 pulses/sec. to >2,000 pulses/sec.
<b>Stepping:</b>	Full step/Half step capability
<b>I.C.s:</b>	<b>S.T. Micro: L297</b> (control I.C.) and <b>L298</b> (4A dual full wave bridge)

