

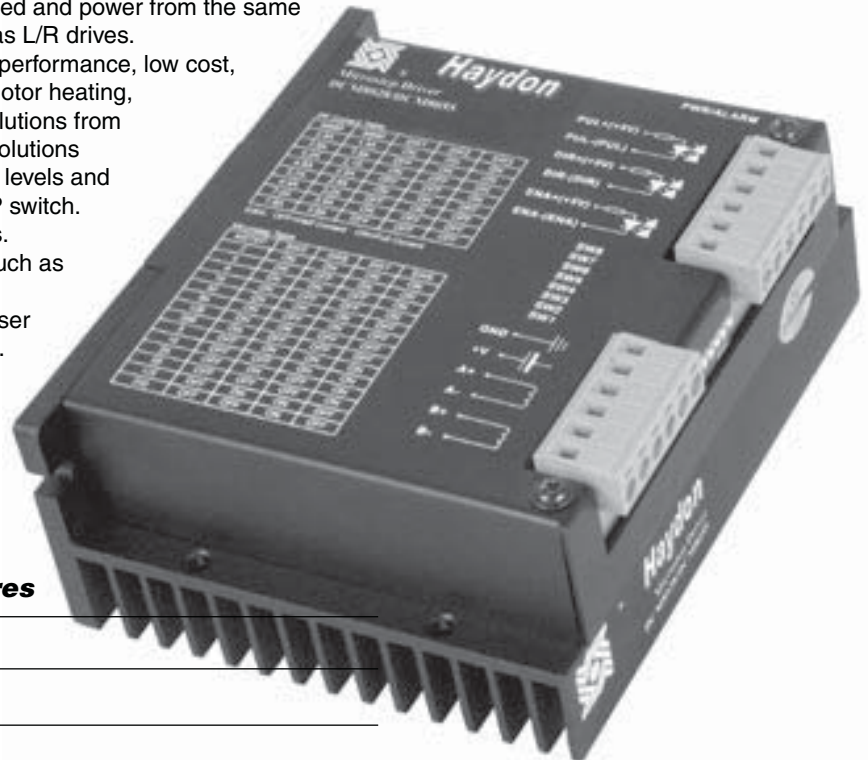
HaydonKerk Motion Solutions™ has designed an advanced series of drivers to efficiently operate motors to their peak performance. With several options to select from, we can help you set up a system that will power-up any application.

Micro Stepping Drives #DCM8028 & DCM8055

HaydonKerk Motion Solutions™ High Performance Micro Stepping Chopper Drives based on some of the most advanced technology in the world today. Providing a cost effective solution for production volume requirements, the small size allows designers to use these Drives in limited space and they are also easily integrated with other electronic systems. Design time is reduced because incorporating these Drives is far simpler than developing a custom drive circuit. They are suitable for driving 2-phase step motors (maximum current ratings of 2.8 A and 5.5 A rms per phase). These specially designed Drives deliver optimum performance throughout a greater speed range. By using an advanced bipolar constant-current chopping technique, and a maximum input voltage of 80 VDC, they can produce more speed and power from the same motor, compared with traditional technologies such as L/R drives.

The DCM8028 and DCM8055 feature high performance, low cost, compact size, mixed decay current control for less motor heating, automatic idle-current reduction and micro step resolutions from 1/2 step to 1/256. There are fourteen micro step resolutions selectable in decimal and binary. The output current levels and micro step resolutions are easily set via the 8 bit DIP switch. These Drives are suitable for 4, 6, and 8 lead motors.

Ideal for a wide range of stepping motors such as low voltage linear motors, used in various kinds of machines, such as X-Y tables, labeling machines, laser cutters, engraving machines, and pick-place devices. These Drives are particularly useful in motor applications requiring low noise, low vibration, high speed and high precision requirements.



Drive DCM8028/DCM8055 Drive Features

- User friendly Chopper Drive
- Ideal for a wide range of stepping motors
- Suitable for 4, 6, 8 lead motors
- Inaudible 20 khz chopping frequency
- TTL compatible and optically isolated input signals
- 14 selectable microstep resolutions in decimal and binary
- Current up to 5.5 A rms/phase
- Automatic idle current reduction
- 4 5/16" x 4" x 1 1/8" (11.0 cm x 10.2 cm x 2.9 cm)
- Up to 80 VDC input voltage. For Europe the maximum input voltage must be limited to 70 VDC (CE Regulations)