ViX Series

Winner of Control Engineering Magazine's Editors' Choice Award 2002

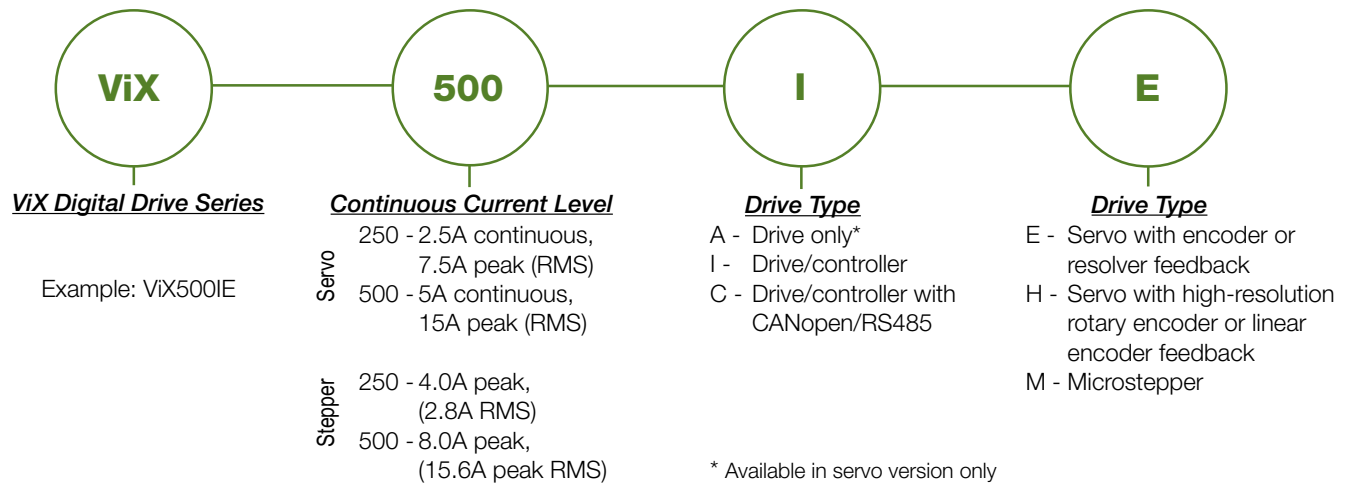# Small, Intelligent and Powerful Digital Servo/ Stepper Drives and Drive/Controllers

With its all-digital, DC-powered design, the ViX family of award-winning drives and drive/controllers offers a new level of economical servo performance. Available in both drive-only and intelligent-drive/controller platforms, the ViX family gives users a robust and cost-effective DC product, particularly in multi-axis applications.

Designed for easy set-up and tuning, the ViX uses wizards-based software that enables users to implement a fully configured system within minutes of unpacking the unit. Its small size–just 4.9 x 1.65 x 3.35 inches–makes it ideal for narrow applications and for direct-panel mounting, or for attachment to a standard DIN rail using an optional adapter.

ViX General Features

- Up to 80VDC bus voltage
- Compact size: 4.9 x 1.65 x 3.35 inches
- Standard RS232C ASCII interface
- 5 digital inputs and 3 digital outputs (software configurable)
- CE (EMC & LVD), UL compliant
- Auto-correction of motor phase/feedback wiring (servo only)

Servo-Specific Features

- Accepts analog (±10V), step/direction, CW/CCW signals
- Encoder following
- Current outputs of 2.5A RMS continuous and 5A RMS continuous
- Resolver or encoder feedback

Stepper-Specific Features

- Integer selectable resolution from 200 to 51,200 steps/rev
- Anti-resonance circuitry suppresses mid-range instability
- Recommended motor inductance range of 0.5 mH to 20 mH

Servo and Stepper Optional Controller-Specific Features

- Storage of up to 16 sequences
- Encoder following, registration, feed-rate override
- 5 digital inputs, 3 digital outputs, 1 analog input
- Conditional statements
- Optional RS485/CANbus interface

ViX Part Numbering System

ViX — **500** — **I** — **E**

ViX Digital Drive Series

Example: ViX500IE

Continuous Current Level

Servo
250 - 2.5A continuous, 7.5A peak (RMS)
500 - 5A continuous, 15A peak (RMS)

Stepper
250 - 4.0A peak, (2.8A RMS)
500 - 8.0A peak, (15.6A peak RMS)

Drive Type
A - Drive only*
I - Drive/controller
C - Drive/controller with CANopen/RS485

* Available in servo version only

Drive Type
E - Servo with encoder or resolver feedback
H - Servo with high-resolution rotary encoder or linear encoder feedback
M - Microstepper

Parker Automation

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