506/507/508

Up to 2 Hp

The 506, 507 and 508 series drives break new ground in value for money DC motor control. Available in 3, 6 or 12A armature ratings, the feature packed minimum footprint design is ideal for speed or torque control of permanent magnet or shunt wound DC motors from single-phase supplies.

INPUTS/OUTPUTS

Analog Inputs - 5; Speed Setpoint / Auxiliary Setpoint / Torque or Current Limit / Zero Speed Threshold (+10V); Tachometer Feedback (200 VDC max.)

Digital Inputs - 1; Start-Run (+10V)

Digital Outputs - 2; Healthy / Zero Speed Interlock (16V 50mA)

Reference Supplies - 1; +10 VDC

LED Diagnostics - Power On, Health

Potentiometer Adjustments

Maximum speed / Minimum speed / Current limit / Acceleration ramp (1-15 seconds) / Deceleration ramp (1-15 seconds) / IR compensation / Speed stability

Switch Adjustments

Armature Current Calibration / Armature Voltage Calibration / Tachometer Feedback / Supply Voltage Select

- TORQUE OR SPEED CONTROL
- IP20 PROTECTED COVERS
- DIN RAIL MOUNTING
- SWITCH SELECTABLE 110 OR 230 VAC SUPPLY
- SWITCH SELECTABLE TACHOMETER OR ARMATURE VOLTAGE FEEDBACK

512C Non-Regen

Up to 7.5 Hp

Isolated control circuitry, a host of user facilities and extremely linear control loop make the 512C ideal for single motor or multi-drive low power applications. Designed for use on single phase supplies, the 512C is suitable for controlling permanent magnet or wound field dc motors in speed or torque control.

INPUTS/OUTPUTS

Analog Inputs - 4; Speed Setpoint / Auxiliary Setpoint / Torque or Current Limit (+10V); Tachometer Feedback (+350 VDC max.)

Analog Outputs - 4; Speed / Ramp Setpoint / Total Setpoint (+10 VDC); Armature Current (+5 VDC)

Digital Inputs - 2; Start-Run (+10 to +24 VDC) / Stall Override (+10 VDC)

Digital Outputs - 2; Health / Zero Speed (24V) 50mA) Reference Supplies - 2; -10 VDC / +10 VDC

LED Diagnostics - Power On, Stall Trip, Overcurrent Trip

Extremely linear control loops

Potentiometer Adjustments

Maximum speed / Minimum speed / Current limit / Acceleration ramp (0-40 seconds) / Deceleration ramp (0-40 seconds) IR compensation / Speed stability / Zero speed offset

Switch Adjustments

Armature Current Calibration / Armature Voltage Calibration / Tachometer Feedback / At Zero Speed/Setpoint / Current Meter Output / Supply Voltage Select - Jumpers

- TORQUE OR SPEED CONTROL
- FULLY ISOLATED CONTROL CIRCUITS
- MULTI INPUT SPEED AND CURRENT SETPOINTS
- EXTREMELY LINEAR CONTROL LOOPS

Telephone : **704-588-3246** Fax : **704-588-3249**