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Stand-alone Programmable Motion Controllers

IDC's 961 (single axis) and 962 (two axis) indexers output step and direction or CW/CCW control signals to one or more drives. The 961 and 962 use IDC's IDeal™ command language, insuring a user-friendly programming environment. These indexers can be used with any stepper drive or any digital servo drive that accepts an industry standard step and direction control signal (either differential or single ended). Consider the 961/2 for your motion control application when you require:

- A mix of servo and stepper drives. The 962 is an ideal solution when your application requires coordinated motion between two axis: one of which requires a high power brushless servo, and the other requires a low power stepper.
- Multiple drives to be run from one command signal. This is very useful when an application calls for multiple drive/motor systems to always do identical moves.
- The motion controller to be separate from the drive for E–Stop reasons. Using a 961/2 with a separate drive allows power to be cut from the drive without cutting power to the motion controller.
- A non-IDC drive/motor system, but would like to implement a user friendly motion controller.

Drive Compatibility

The 961 and 962 easily interface to a wide variety of step motor, and digital servo, drives which accept industry standard step and direction control signals. The 961/2 accept incremental encoder feedback, providing closed loop, and stall detect features. The frequency range of the 961/2's step output signal allows you to control drives ranging from the simplest full–step step motor drive to high speed digital brushless servo drives.

OPTO–Compatible I/O

- Accepts OPTO22 (G4) digital modules and Grayhill (G5) analog and temperature modules.
- 100% solid state, opto–isolation to 4000 volts
- 8 positions, all bidirectional
- Specify (intermix) factory installed AC, DC, and analog I/O modules

Optional Keypad

- Both a programming and



Request for Quote

Motion Control

- 6K of memory for up to 199 user programs (30K, 400 programs optional)
- Up to 2 axis of incremental encoder feedback
- User scaling of position, velocity, and acceleration
- Variable math and conditional branching
- IDCMotion™ Windows Application Development software included
- 50K resolutio

Documents (*PDF)	Size	Fax#
Specifications and How to Order *	129k	7300
System Checklist *	65k	7000

Compatible Drives

NextStep, S6002

CAD Drawing

S&B/G Series	220k

Manuals

Installation Manual (v.1.1, 5/98) *	1336k
Addendum#1 (req. for firm ware v4.10 & up) (12/97) *	106k
Addendum#2 (req. for firm ware v6.10 & up) (8/98) *	83k

Controls Software

Application Developer 6.4
Application Developer 6.4 for uise with SmartStep and all Smart Drive Controls. *Jan 7,99*

Single File Download	
APDV64.EXE	5867k
Create Floppy Disks: Important Notes	
APDV64D1.EXE	1385k
APDV64D2.EXE	1431
APDV64D3.EXE	1430k
APDV64D4.EXE	1432k
APDV64D5.EXE	150k

Compatible Positioning Products

Electric Cylinder - Rod Type

EC2S, EC3S, EC4S

NV-S, N2S

Rodless Actuators

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operator interface

- Menu–driven setup, help functions, diagnostic screens, and trace mode to facilitate easy setup, programming and troubleshooting
- Easy to read, backlit 40 character display
- Commands listed on keys for easy reference
- Attaches to the control or mounts remotely
- Keypad is NEMA 4 (IP65) when panel mounted

R2A-S, R3S, R4S

Positioning Tables

sales@idcmotion.com

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