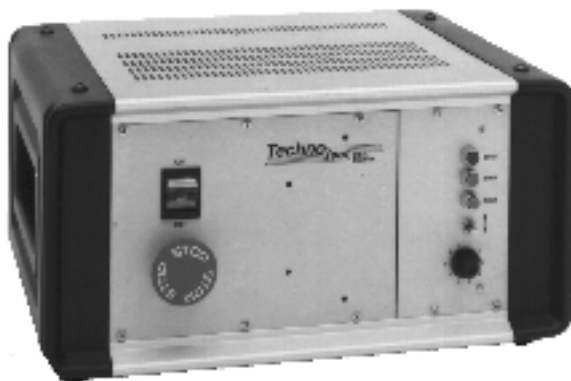


Centurion Packaged Systems

The Centurion is a self-contained single-axis stepper-motor and I/O control system. The Centurion is a complete system, ready to operate with any of the SD series of stepper motor drivers.

FEATURES

- ◆ 1 axis of motor control with pulse/direction signals
- ◆ 8 inputs and 8 outputs
- ◆ Remote START/STOP/RESET
- ◆ Bidirectional serial communication
- ◆ 32K of on-board battery-backed memory, capable of holding as many as 5000 motion commands
- ◆ 10 program storage with selector switch (MUST BE IN 1 FILE)
- ◆ Completely wired with all power supplies and ready to go
- ◆ Includes RS232 cable



Front Panel



Rear Panel

MOTION CONTROL SOFTWARE

ACL software, provided with the Centurion is an easy to use automation program. This program allows all the motion and I/O functions of the Centurion to be utilized. It includes:

- A full screen text editor
- Integrated compiler with easy to use debugging features
- Integrated communications program to download and test programs
- Windows-based (Please see page 169 for a more detailed description of ACL)



Centurion Single-Axis Stepper Controller

Centurion Packaged Systems

INPUTS / OUTPUTS

- 8 inputs can be operated at 5V, 12V or any user-selected voltage up to 24V
- 8 outputs can be operated at 5V, 12V or any user-selected voltage up to 40V and can supply up to 500 mA

COMMAND SUMMARY

- Incremental or absolute motions
- Turn outputs ON / OFF
- Branch on input states
- Send / receive information to the host PC
- Program in inches, millimeters or any user selected units
- 128 counters
- Nested looping
- Subroutines
- Programmable acceleration
- Turn outputs ON / OFF at any time during a motion

STEPPER MOTOR DRIVERS

Centurion is designed to accept any of the SD stepper motor drivers:

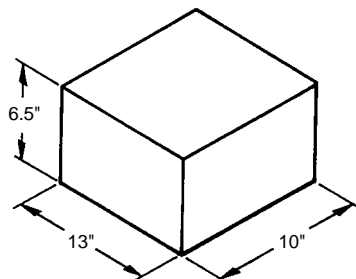
Catalog Number	Current Voltage Rating	Page
H20K16-SD12A	40V, 1.5 – 3A / phase	154
H20K16-SD13A	40V, 2 – 4A / phase	154
H20K16-SD15A	40V, 4 – 6A / phase	154
H20K16-SD15M	40V, 3 – 5A / phase	154

STEPPER MOTOR CONTROLLER

A complete Stepper Motor Controller consists of:

- 1 Centurion Stepper Motor Controller (**H26T55-MAC001**)
- 1 SD Stepper Motor Driver (Select from above)(Ordered separately)
- 1 Stepper Motor Cable (See below)(Ordered separately)

Approximate Size of Controller



Catalog Number	Item	Page
H26T55-MAC001	Centurion Stepper Motor Controller	150
HX1700M6143	10' Stepper Motor Cable	166
HX1700M2025	25' Stepper Motor Cable	166

