



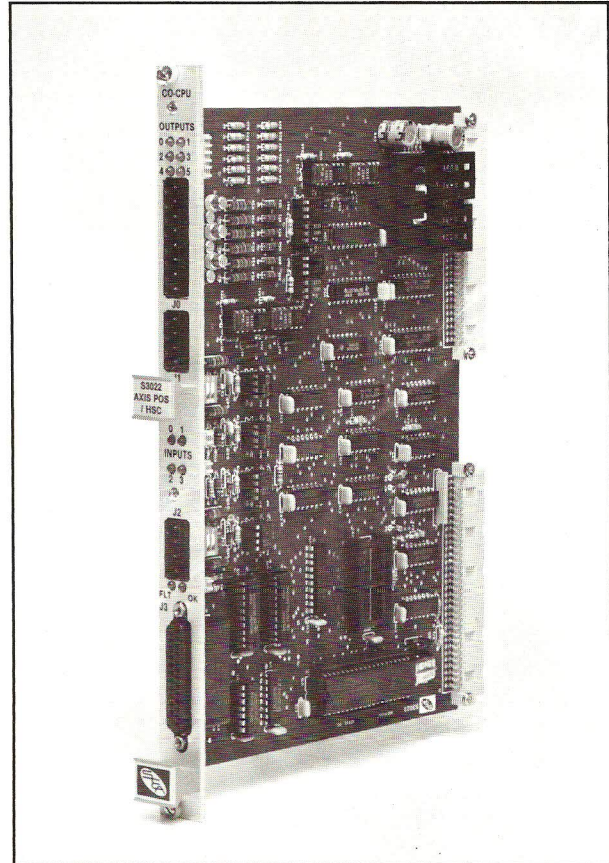
SYSTEMS S3000

INDUSTRIAL CONTROLLER

S3022: INTELLIGENT I/O BOARD (AXIS POSITIONING)

FEATURES:

- INTELLIGENT I/O BOARD WITH DIGITAL INPUTS, OUTPUTS AND AN INTEL 8032 MICROCONTROLLER
- PROGRAMMED WITH SYSDEV51
- 8K BYTES PROGRAM MEMORY (EPROM)
- 256 BYTES RAM DATA MEMORY
- EXECUTES A USER APPLICATION PROGRAM INDEPENDENTLY OF MAIN PROCESSOR WHILE DRIVING APPLICATION SPECIFIC I/O
- DESIGNED FOR AXIS POSITIONING AND SPEED CONTROL BUT CAN BE USED FOR OTHER APPLICATIONS
- 4 DIGITAL DIFFERENTIAL INPUTS (SELECTABLE FOR 5VDC OR 15-30VDC OPERATION)
- 6 DIGITAL 10-30VDC SOURCING OUTPUTS (WITH OUTPUT FEEDBACK TO DETECT OUTPUT FAILURE)
- INDIVIDUAL LED STATUS INDICATION FOR ALL INPUTS AND OUTPUTS
- REMOVABLE FIELD WIRING CONNECTORS FOR INPUTS AND OUTPUTS WIRING
- OPTICAL ISOLATION FOR INPUTS AND OUTPUTS
- O.K. LED ON FACEPLATE TO INDICATE PROPER PROGRAM EXECUTION
- FLT LED ON FACEPLATE TO INDICATE PROGRAM EXECUTION FAULT
- DB3001 HAND HELD MONITOR PORT



GENERAL DESCRIPTION:

The S3022 is an intelligent I/O board equipped with an Intel 8032 microcontroller and its own dedicated I/O (4 inputs and 6 outputs). The S3022 is used as a CO-CPU board in S3000 systems where the S3022 is programmed to perform a specific task and interface directly with the I/O related to the task. This reduces the work load of the main processor, thus increasing the total system processing power

and through-put. Programming is implemented with SYSdev51, an IBM PC or compatible software package that allows the user to create, compile, and program an EPROM for the S3022. The program is developed off-line and then programmed into an EPROM which is installed in the S3022. The S3022 program memory consists of 1ea. 2764 EPROM (8K bytes).

