

STEPPER INDEXER/DRIVE MODULES

CDZMP-Mini

High performance stepper module with RS232 indexer and bipolar microstepping drive.

The auxiliary board - MB-Mini with overvoltage protection can be used for easier motor and power supply connection through the screw terminals.

ZMP-Mini driver specifications - see page 15, indexer specifications below - the C1 board.

The CDZMP-Mini module is suitable for stepper motors with the holding torque from 11 Nm to 40 Nm.

STEPPER INDEXER BOARD

C1 Board

RS232 indexer - M1486 controller

The indexer is equipped with the M1486 controller which provides simple and flexible stepper motor control.

The M1486 controller includes:

- **Programmable stepper motor controller** (distance, velocity, acceleration, microstepping)
- **Small programmable logic controller** (inputs/outputs, loops, conditional jumps, dwells)

Complete machine control can be simply executed by using a controller command file. See page 10 and 11 for details about the controller commands - standard ASCII characters. The indexer board can be linked to a PC or any host computer equipped with the RS232 interface. Up to 16 boards can be controlled from one host computer using a single port for multi-axis control.

- Stand Alone Mode

After command file is downloaded the board can be used in a stand alone application. In the stand alone mode the internal EEPROM memory enables pre-programmed move sequences to be repeated off line.

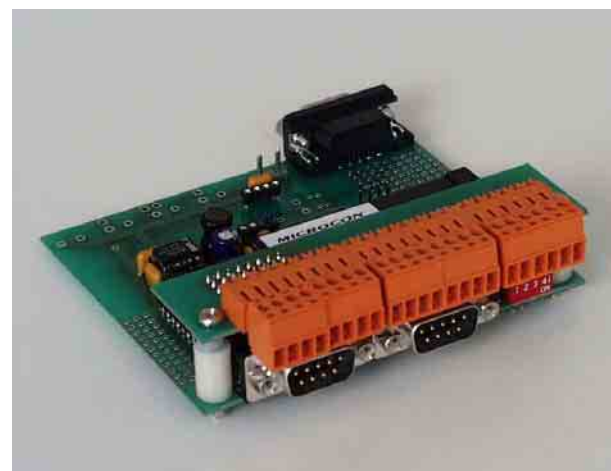
- User Inputs/Outputs

The board provides digital user inputs/outputs which are available to initiate or monitor external events.

- 12 opto-isolated user inputs

All user inputs are opto-isolated for a high noise immunity. Input optocouplers with bipolar input photo diode allows common anode or common cathode connection. It is possible to connect both sink and source outputs. The standard input level is 24 V (5 V is optional).

- **6 user outputs** - open collector outputs (up to 30 V)
Low level output current..... 100 mA
24 V source drivers (switchable to 5 V output level) are optional - please add A1 appendix to the board name.
High level output current 40 mA



- Input and Output Connectors

- RS232 serial port input CANNON 9 Pin/M
- RS232 serial port output CANNON 9 Pin/M
- User inputs/outputs removable screw terminal - 22 way
- Power supply..... removable screw terminal - 2 way
- Stepper motor drive outputs -
- Step and Direction signals, Enable CANNON 9 Pin/F

- Dimensions

85x100x35 mm

The C1 board can be used as follows:

- independent small programmable logic controller for universal applications
- programmable stepper motor controller with Step and Direction outputs for external drive; small programmable logic controller is also available.