



Basic Stepper Motor Trainer

Category: Mechatronics · Model reference: MZM-2012



SPECIFICATIONS

Description:

The MZM-2012 Stepper Motor Trainer is a PC based system that is used to teach the principles and operations of stepper motors. Stepper motors are motors which rotate one step when supplied with a pulse. They are readily interfaced to microcomputers and other digital devices. The control signals required are virtually always the same, regardless of motor size. Position and speed control through pulse control system by interface PC, Thus, the facilities provided on the MZM-2012 Stepper Motor Trainer enable students to write programs for a small unit that gives experience which is valid for any application of stepping motors.

Features:

- Industrial stepper motor driver and controller
- Speed and position control
- Linear spindle drive
- Encoder for position checking
- 4mm socket and plug wiring

TRAINING CONTENTS

- Principle of a stepping motor
- Spindle drive control
- Wiring with controller and driver
- Position control by configuration pulse number
- Sequence control

SPECIFICATIONS:

- Input voltage 24-40 VDC
 - Switch selectable motor current from 1.3-3.5 amps/phase
 - 15 switch selectable step resolutions both in decimal and binary, up to 51200 steps/rev
 - Mode of operation : Step & Direction, CW & CCW
 - Up to 200KHz step clock rate
 - Input for step, direction, enables Optically isolated 5VDC differential
 - Strong protection including over voltage, over current
 - Suitable to drive 4 or 8 lead size 11,14,17,23,34
 - LED indicating power and fault status
 - Switch selectable idle current reduction 0 or 50%
 - Current control chopping at 20KHz
 - Amplifier Pulse width modulated
 - Dual H-bridge, inaudible PWM
- Send Enquiry **Your Name**
Your Email
Tele Phone

