

## **DRIVES AND MOTOR TRAINER WITH PLC INTERFACE**

MODEL: MCTR10



### **FEATURES**

- Robust and sturdy construction
- Easy and versatile operation
- Incorporates standard industrial components

### **DESCRIPTION**

This kit is specially designed to familiarize trainees with various drive technologies used in Mechatronics. It gives basic understanding of various types of motor and drive concepts and terminology and interfacing it with PLC. This kit should be interfaced with a PLC.

### **INSTRUCTION MANUAL**

Self explanatory operating manuals are provided with each system. Detailed theory as well as practical exercises is also included in the manual.

### EXPERIMENTS

1. Interfacing and operating AC Servo motor with PLC
2. Interfacing and operating DC Servo motor with PLC
3. Interfacing and operating Stepper motor with PLC
4. Programming and operating a variable frequency AC drive
5. Speed variation of an induction motor
6. PLC programming

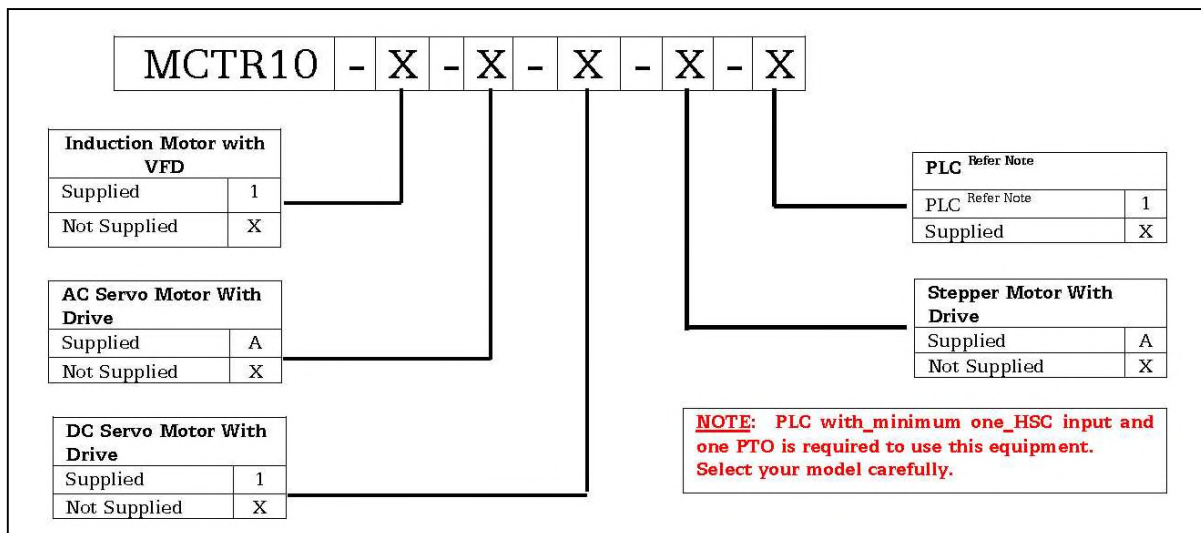
### COMPONENTS

1. Induction motor
2. Variable frequency drive
3. AC Servo motor
4. AC Servo drive
5. DC Servo Motor
6. DC Servo drive
7. Stepper Motor
8. Stepper motor drive
9. PLC

*Note: The components mentioned above vary depending on the model selected*

### SERVICES REQUIRED

- Electric supply 3 phase, 415 V AC, 50 Hz



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