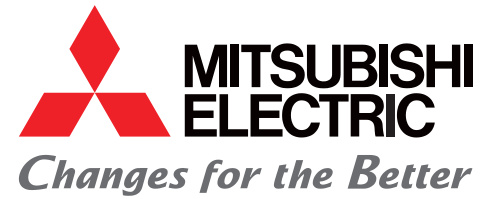




for a greener tomorrow



MR-J5 Motion Control

MOTION TRAINING

Course Description

| MR-J5 Motion Control | |
|----------------------|-----------------------|
| Course Code | TRMOT203P |
| Length | 4 Days |
| Price | \$1,500 |
| Prerequisite | GX Works3 Programming |

INTRODUCTION

This class is focused on positioning control, and does not contain a discussion of PLC addressing, address types, basic software operation or hardware configuration. The material in this class is applicable to the RD78G/GH Motion Controller and the MR-J5 Servo System.

WHO SHOULD ATTEND?

Students will learn how to create a simple motion system with the iQ-R PLC platform. Positioning, parameters, homing, diagnostics, synchronous, and camming features will be discussed. Student exercises will be programmed using the Function Block (FB) language.

COURSE HARDWARE

RD78G/GH, MR-J5, iQ-R

PREREQUISITES EXPLAINED

Students should have already attended the GX Works3 Programming course, or have at least 1 year experience programming Mitsubishi Electric iQ-R/F PLCs.

COURSE OUTLINE

- LESSON 1** Intro to MELSERVO-J5 Hardware
- LESSON 2** Intro to MELSERVO-J5 Software
- LESSON 3** GX Works3 and Motion Module Configuration
- LESSON 4** Programming the RD78 Motion Module
- LESSON 5** Monitoring and Diagnostics
- LESSON 6** Homing the Axes
- LESSON 7** PLCopen Function Block Programming
- LESSON 8** Multiple Axes Positioning Control
- LESSON 9** Motion Control 2 (Synchronous Control)
- LESSON 10** Servo Adjustments

RECOMMENDED E-LEARNING

- Servo Basics
- Servo Amplifier

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