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FATEC

Mitsubishi Programmable Controllers Training Manual MELSEC iQ-R Series Basic Course (for GX Works3)

SAFETY PRECAUTION

(Always read these instructions before using the products.)

When designing the system, always read the relevant manuals and give sufficient consideration to safety.
During the exercise, pay full attention to the following points and handle the product correctly.

[EXERCISE PRECAUTIONS]

⚠WARNING

- Do not touch the terminals while the power is on to prevent electric shock.
- Before opening the safety cover, turn off the power or ensure the safety.
- Do not touch the movable portion.

⚠CAUTION

- Follow the instructor's direction during the exercise.
- Do not remove the module of the demonstration machine or change wirings without permission.
  Doing so may cause failures, malfunctions, personal injuries and/or a fire.
- Turn off the power before mounting or removing the module.
  Failure to do so may result in malfunctions of the module or electric shock.
- When the demonstration machine (such as X/Y table) emits abnormal odor/sound, press the "Power switch" or "Emergency switch" to turn off.
- When a problem occurs, notify the instructor as soon as possible.

MEMO

REVISIONS

*The text number is given on the bottom left of the back cover.

Revision date	*Manual number	Description
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MEMO

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INTRODUCTION

This textbook describes a programmable controller, the methods of editing a program with GX Works3, sequence instructions and standard functions/function blocks for helping users to understand the programming for the MELSEC iQ-R series.

RELEVANT MANUALS

Manual name [manual number]	Description	Available form
MELSEC iQ-R CPU Module User's Manual (Startup) [SH-081263ENG]	Performance specifications, procedures before operation, and troubleshooting of the CPU module	e-Manual EPUB PDF
MELSEC iQ-R CPU Module User's Manual (Application) [SH-081264ENG]	Memory, functions, devices, and parameters of the CPU module	e-Manual EPUB PDF
MELSEC iQ-R Programming Manual (Program Design) [SH-081265ENG]	Program specifications such as of ladder programs and ST programs, and labels	e-Manual EPUB PDF
MELSEC iQ-R Programming Manual (Instructions, Standard Functions/Function Blocks) [SH-081266ENG]	Instructions for the CPU module, instructions dedicated for intelligent function modules, and standard functions/function blocks	e-Manual EPUB PDF
MELSEC iQ-R Module Configuration Manual [SH-081262ENG]	System configuration, specifications, mounting, wiring, and maintenance and inspection required for using the MELSEC iQ-R series programmable controller	e-Manual EPUB PDF
GX Works3 Operating Manual [SH-081215ENG]	System configuration of GX Works3, parameter setting, and operation method of the online function	e-Manual EPUB PDF

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