Mitsubishi FX3 series micro PLC

Learn the foundations of electricity, wiring and the covenience of PLC operation

Satellite Training Series

[English / Japanese / Chinese / Indonesian / Thai / Vietnamese]

Trouble with technical training or learning?

◆ Too expensive and time consuming to conduct training

◆ Troublesome to hire an interpreter

◆ No learning materials or equipment on hand

◆ Need to increase skill level of engineers

◆ No competent instructor available

◆ Training location is too far

Your solution is here   Nice!

4 piece set for learning the basics of electricity, wiring, and PLC

Supports learning with DVD instruction and textbook in your local language.
Training kit for wiring & programming, and engineering software all included in one package!

Nice! Explanation in easy to understand local language — DVD Training

[Available in]
English / Japanese / Chinese /Indonesian / Thai / Vietnamese

Your First PLC

Your First PLC [Introduction]

- Explanation by native speakers starting from the basics of sequence control
- Rewatch as many times as necessary
- Suitable as a short training for group learning

Nice! All necessary materials in one compact package — Training kit

Storage box
USB cable
Power cable
Program training DEMO unit
Wiring training DEMO unit

⚠ The Wiring training DEMO unit and Program training DEMO unit are for 100VAC power supply. DO NOT use other types of power supply.

⚠ Not evaluated for CE marking, UL/cUL, KC mark.

- Hands on practice with training kit
- Easy to carry and set up
- Comprehensive training, from basic wiring to advanced programming

Nice! Start programming quickly — Programmable Controller Engineering Software GX Works2

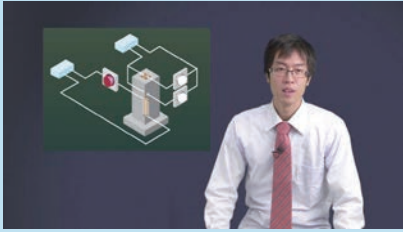- Programming software is included
- *PC with Windows® installed required

Nice! In-depth learning — Textbook

- Textbook also available in your local language
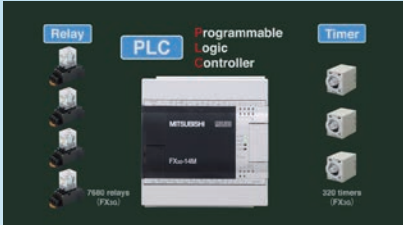- Full of practical programming examples

■Training DVD Contents

Chapter 1 What is Sequence Control?

01. What is Sequence Control?
02. Performing Sequence Control
03. Wiring Training
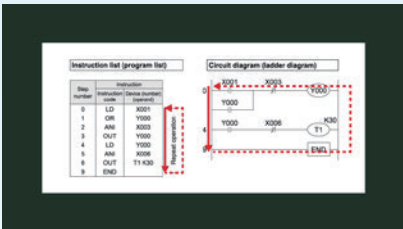04. Wiring Diagram, Sequence Diagram

Chapter 2 What is PLC?

05. What is PLC?
06. PLC Structure
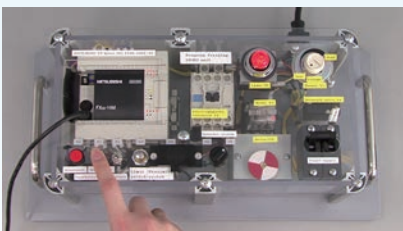07. PLC Wiring
08. PLC Program

Chapter 3 GX Works2

09. GX Works2 Operation
10. Starting the Software and Screen Structure
11. Program Using the Function Key
12. Writing a Project to PLC
13. Checking the Operation

Chapter 4 Sequence Instructions

14. Sequence Instructions
15. How to Program

Chapter 5 Program Exercise

16. Program Exercise
17. Program Example Escalator Control

■Training Kit Specifications

Configuration	Wiring training DEMO uni	· 24VDC power supply · Lamp,Pushbutton switch,Relay · Wires, screwdriver
	Program training DEMO unit	· FX3G series PLC (FX3G-14MR/ES) · Switches (pushbutton, toggle, limit, selector), proximity sensor, lamp, buzzer, motor, magnetic contactor, relay, solenoid valve
Accessories		· USB cable (3m) · Power cable (2m) · Storage box · FX3G series PLC hardware manual
Power supply		AC100V 50/60Hz 35W (PLC training demo unit), 15W (Wiring training demo unit)
Box dimensions (weight)		500W × 250D × 240H mm (approx 8kg)

■Textbook Contents

Chapter		Contents
Chapter 1	WHAT IS "SEQUENCE CONTROL?"	1.1 What Is "Sequence Control?"
		1.2 Devices Associated with Sequence Control
		1.3 Items Required for Sequence Control
		1.4 Performing Wiring Based on Sequences
		1.5 Let's Remember Sequence Symbols
Chapter 2	WHAT IS A "PLC?"	2.1 What is a "PLC?"
		2.2 How PLCs Work
		2.3 Wiring and Programs
		2.4 Advantages of Using PLCs
Chapter 3	THE OPERATION OF GX Works2	3.1 Basic knowledge for operating GX Works2
		3.2 Starting GX Works2 and creating a new project
		3.3 Creating a program
		3.4 Writing programs to the PLC
		3.5 Editing a program
		3.6 Saving the program
		3.7 Necessary operation for debugging a program
		3.8 Inputting comments
Chapter 4	SEQUENCE INSTRUCTIONS	4.1 Let's Remember PLC Instructions
		4.2 About Timer Circuits
		4.3 About Counter Circuits
		4.4 Order of Programs
Chapter 5	PROGRAM TRAINING	5.1 Introductory Example 1 (Control of Escalators)
		5.2 Introductory Example 2 (Control of Tea Dispenser)
		5.3 Introductory Example 3 (Control of Fan)
		5.4 Introductory Example 4 (Control of Press Machine)
		5.5 Introductory Example 5 (Timing Chart)
		5.6 Introductory example answers
Appendix 1	The OPERATION OF THE GX Developer	
Appendix 2	Introduction example list programs	
Appendix 3	Handy Programming Panel	
Appendix 4	Training Machine wiring	

■Language

Model name	Contents • Language			
	DVD Training*1	Training kit	GX Works2	Textbook*1
FX-STS-1-E	English	English	English	English
FX-STS-1-JP	Japanese	Japanese	Japanese	Japanese
FX-STS-1-CN	Chinese			Chinese
FX-STS-1-ID	Indonesian	English	English	Indonesian
FX-STS-1-TH	Thai			Thai
FX-STS-1-VN	Vietnamese			Vietnamese

*1 Every model includes Japanese version as well.

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⚠ Safety Warning

· To ensure proper use of the products in this document, please be sure to read the instruction manual and textbook prior to use.
· The Wiring training DEMO unit and Program training DEMO unit are for 100VAC power supply.DO NOT use other types of power supply.