JAPANESE

ENGLISH



PROGRAMMABLE CONTROLLERS MEISER-F

FX_{3S}-5DM

INSTALLATION MANUAL



This manual describes the part names, dimensions, mounting, and specifications of the product. Before use, read this manual and the manuals of all relevant products fully to acquire proficiency in handling and operating the product. Make sure to learn all the product information, safety information, and precautions. Store this manual in a safe place so that it can be taken out and read whenever necessary. Always forward it to the end user.

Registration:

The company name and the product name to be described in this manual are the registered trademarks or trademarks of each company.

Effective April 2015

Specifications are subject to change without notice

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Safety Precaution (Read these precautions before use.)

This manual classifies the safety precautions into two categories: MARNING and CAUTION

Indicates that incorrect handling may cause hazardous conditions, resulting in death or severe injury.
Indicates that incorrect handling may cause hazardous conditions, resulting in medium or slight personal injury or physical damage.

Depending on the circumstances, procedures indicated by ACAUTION may also cause severe iniury.

It is important to follow all precautions for personal safety.

Associated Manuals

Manual name	Manual No.	Description
FX3S Series User's Manual - Hardware Edition	MODEL CODE:	Explains the FX3S Series PLC specifications for I/O, wiring, installation, and maintenance.

How to obtain manuals

For product manuals or documents, consult with the Mitsubishi Electric dealer from who you purchased your product.

Applicable standards

FX3S-5DM comply with the EC Directive (EMC Directive). Further information can be found in the following manual. → FX3S Series User's Manual - Hardware Edition

Attention

· This product is designed for use in industrial applications.

- Note
- · Authorized Representative in the European Community: Mitsubishi Electric Europe B.V. Gothaer Str. 8, 40880 Ratingen, Germany

1. Outline The FX3S-5DM display module (hereinafter called display module) is installed to the FX3S Series main unit or expansion board to monitor/change device states and values. 1.1 Incornerated Hama

1.1 Incorpora	ncorporated items	
Product	FX3S-5DM display module	
Included items	Installation Manual (This manual)	

1.2 External Dimensions and Part Names

FX3S-5DM 34.4 (1. (2.02") →Õ Ō Ŏ OK O Cut off this part when using an expansion board at the same time 9.6 (0.38" 35 (1.38")

MASS (Weight): Approx. 20 g (0.05 lbs)

No.	Name	Description
[1]	"OK" button	Use to choose the item, set the value, etc.
[2]	"+" button	Use to move cursor or set the value.
[3]	"-" button	Use to move cursor or set the value.
[4]	"ESC" button	Use to cancel operation or return to previous screen.
[5]	Display	Displays current time and monitored status of device.
[6]	Connector for PLC	Used to connect display module to PLC.
[7]	Display module fixing hook	Used to fix display module to PLC. (When used together with an expansion board)

2. Installation

[3]

[2]

[1]

INSTALLATION PRECAUTIONS	
installation or wir	off all phases of the power supply externally before attemptir ng work. ay cause electric shock or damage to the product.

NSTALLATION **CAUTION** PRECAUTIONS

- Use the product within the generic environment specifications described in PLC main unit manual (Hardware Edition).
- Never use the product in areas with excessive dust, oily smoke, conductive dusts corrosive gas (salt air, Cl2, H2S, SO2, or NO2), flammable gas, vibration of
- impacts, or expose it high to temperature, condensation, or rain and wind, If the product is used in such conditions, electric shock, fire, malfunctions deterioration or damage may occur.
- Do not touch the conductive parts of the product directly.
- Doing so may cause device failures or malfunctions
- Connect the display module securely to the appropriate connector.
- Loose connections may cause malfunctions
- The following section describes the installation method for the FX3S Series PLC (FX3S-30MD. In this example).
- Turn off the power to the PLC before installation
- For more details on removal and installation, refer to the PLC main unit manual. → FX3S Series User's Manual - Hardware Edition

For details on the system configuration, refer to the following manual. → FX3S Series User's Manual - Hardware Edition

2.1 When Installing the Display Module Directly to the Main Unit

2.2 When Using the Display Module Together with an Expansion

ACAUTION

Please contact a certified electronic waste disposal company for th

The product is a precision instrument. During transportation, avoid impacts large

than those specified in the general specifications by using dedicated packaging

After transportation, verify operation of the product and check for damage of the

Applicability

→ FX3S Series User's Manual - Hardware Edition

Assuming that the expansion board is attached to the main unit.

To attachment of the expansion board, refer to the following manual

The connector cover for the expansion board is removed.

1) Cut off part A shown in the right figure

When part A is cut off, the display

module can not be installed to the main

2) Make sure the display module is in parallel with the main unit and attach it to the optional equipment connector (B

Do not disassemble or modify the PLC.

Doing so may cause damage.

TRANSPORTATION AND

STORAGE PRECAUTIONS

mounting part, etc.

3.1 Applicable PLC

Model name

FX3S Series PLC

boxes and shock-absorbing palettes

Failure to do so may cause failures in the product.

Ver. 1.20 or later

· Only one display module can be used per main unit.

Doing so may cause fire, equipment failures, or malfunctions. * For repair, contact your local Mitsubishi Electric representative. Do not drop the product or exert strong impact to it.

environmentally safe recycling and disposal of your device

in the figure on the right).

1) Remove the top cover (A in the figure

2) Make sure the display module (B in the

figure on the right) is in parallel with the

main unit and attach it to the optional

on the right).

Board

(display module). Caution:

unit directly.

3. Specifications STARTUP AND MAINTENANCE

PRECAUTIONS

DISPOSAL

PRECAUTIONS

equipment connector

3.2 General Specifications

- The general specifications are equivalent to the PLC main unit.
- For general specifications, refer to the following manuals.
 - → FX3S Series User's Manual Hardware Edition

3.3 Display Specifications

Item	Specifications
Display device	TN monochrome liquid crystal display
Display character	Seven-segment display + icon display
Backlight	Green LED backlight
Button	4 operation buttons (ESC, -, +, and OK)

4. Function List

- The functions of a display module are listed as follows:
- For details on the functions, refer to the following manuals. -> FX3S Series User's Manual - Hardware Edition
- Monitor/Test
- Clock display and setting
- Operation button ON/OFF information
- · Display screen protect function
- Specified device monitor function
- · Back light off function
- Error display valid/invalid
- · Decimal/hexadecimal current value display setting

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/! For safe use

- This product has been manufactured as a general-purpose part for general industries, and has not been designed or manufactured to be incorporated in a device or system used in purposes related to human life.
- Before using the product for special purposes such as nuclear power, electric power, aerospace, medicine or passenger movement vehicles, consult with
- Mitsubishi Electric This product has been manufactured under strict guality control. However
- when installing the product where major accidents or losses could occur if the product fails, install appropriate backup or failsafe functions in the system.

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Unit: mm (inches)

