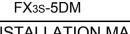


JAPANESE Side B ENGLISH

Programmable Controller MELSEC-F







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 names, system names and product names mentioned in this manual are either registered trademarks or trademarks of their respective companies.

In some cases, trademark symbols such as 'TM' or "®' are not specified in this manual

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Safety Precaution (Read these precautions before use.)

This manual classifies the safety precautions into two categories:

AWARNING and ACAUTION

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.

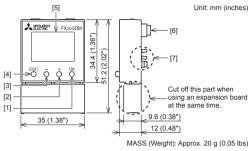
1 Outline

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 Incorporated Items

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

1.2 External Dimensions and Part Names



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

INSTALLATION PRECAUTIONS	
installation or	cut off all phases of the power supply externally before attempting wiring work. o may cause electric shock or damage to the product.

INSTALLATION **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 or 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.

2.1 When Installing the Display Module Directly to the Main Unit

1) Remove the top cover (A in the figure on the right)

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 equipment connector.

2.2 When Using the Display Module Together with an Expansion Board

Assuming that the expansion board is attached to the main unit. The connector cover for the expansion board is removed. To attachment of the expansion board, refer to the following manual → FX3S Series User's Manual - Hardware Edition

1) Cut off part A shown in the right figure (display module) Caution When part A is cut off, the display module can not be installed to the main unit directly

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

3 Specifications

STARTUP AND MAINTENANCE PRECAUTIONS	
* For repair, contact you	e, equipment failures, or malfunctions. ur local Mitsubishi Electric representative. t or exert strong impact to it.
DISPOSAL	
PRECAUTIONS	
	ertified electronic waste disposal company for the cycling and disposal of your device.
TRANSPORTATOION AN STORAGE PRECAUTION	
than those specified in boxes and shock-absort Failure to do so may car	ion instrument. During transportation, avoid impacts larger the general specifications by using dedicated packaging bing palettes. use failures in the product. rify operation of the product and check for damage of the

3.1 Applicable PLC

Model name	Applicability			
FX3S Series PLC	Ver. 1.20 or later			

Only one display module can be used per main unit

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

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)			

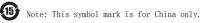
4. Function List

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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含有有害6物质的名称,含有量,含有部品 本产品中所含有的有害6物质的名称,含有量,含有部品如下表 所示。

产品中有害物质的名称及含量

部件名称		有害物质					
		铅 (Pb)	汞 (Hg)	镐 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴 二苯醚 (PBDE)
可编程 控制器	外壳	0	0	0	0	0	0
	印刷基板	×	0	0	0	0	0

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- 〇:表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572规定的限量要求以下。
- ×:表示该有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572规定的限量要求。
- 基于中国标准法的参考规格:GB/T15969.2

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accidents, and compensation for damages to products other than Mitsubishi products. (4) Replacement by the user, maintenance of on-site equipment, start-up test run and other tasks

/! 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 quality 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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