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Programmable Controller MFISFR-F



FX3U-CNV-BD

INSTALLATION MANUAL



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Manual Number	JY997D13601
Revision	G
Date	June 2018

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.

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Effective June 2018

Specifications are subject to change without notice

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Safety Precautions (Read these precautions before use.)

This manual classifies the safety precautions into two categories:

↑ WARNING and **↑** CAUTION

<u></u> MARNING	Indicates that incorrect handling may cause hazardous conditions, resulting in death or severe injury.
∴CAUTION	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

It is important to follow all precautions for personal safety

Associated Manuals

Manual name	Manual No.	Description
FX3U Series User's Manual - Hardware Edition	JY997D16501 MODEL CODE: 09R516	Explains FX3U Series PLC specifications for I/O, wiring, installation, and maintenance.
FX3UC Series User's Manual - Hardware Edition	JY997D28701 MODEL CODE: 09R519	Explains FX3UC 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

FX3U-CNV-BD units made in June, 2005 or later comply with the EC Directive (EMC Directive). Further information can be found in the following manual. However, the FX3UC-32MT-LT does not comply with the EC Directive (EMC Directive)

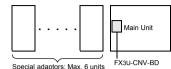
> → FX3U Series Hardware Manual (Manual No. JY997D50301) → FX3UC-32MT-LT-2 Hardware Manual (Manual No. JY997D31601)

Attention

This product is designed for use in industrial applications.

1. Outline

The FX3U-CNV-BD is an expansion board for connecting the analog and communication special adaptors to the main unit of a PLC.

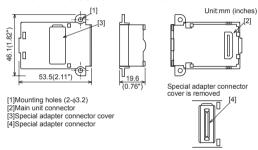


(4 analog special adaptors + 2 special adaptors for communication)

1.1 Incorporated Items

FX3U-CNV-BD Installation Manual M3 tapping screws This for installation (2 pcs) manual B. B.

1.2 External Dimensions and Part Names



Make sure to cut off all phases of the power supply externally before attempting

∴CAUTION

Use the product within the generic environment specifications described in PLC

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

If the product is used in such conditions, electric shock, fire, malfunctions

Use screwdrivers carefully when performing installation work, thus avoiding

impacts, or expose it to high temperature, condensation, or rain and wind.

Failure to do so may cause electric shock or damage to the product.

2. Inst

INSTALLATION

PRECAUTIONS

installation or wiring work

main unit manual (Hardware Edition).

deterioration or damage may occur.

accident or product damage.

MACC (Majorta) - Approx - 40 o (0 00 lb o)			
	MASS (Weight): Approx. 10g (0.03lbs)	FX3U Series PLC	Ver.2.20 or later (from first production)
		FX3UC-32MT-LT	Ver.1.00 or later (from first production)
2. Installation	_	FX3UC-32MT-LT-2	Ver.2.53 or later (from first production)
INSTALLATION PRECAUTIONS	∱ WARNING	The expansion bo Exauc 32MT LTC	pard cannot be connected to FX3UC Series PLCs other than the

- FX3UC-32MT-LT(-2).
- · Only one expansion board can be used per main unit. Additional expansion boards such as the FX3U-CNV-BD, FX3U-422-BD or FX3U-485-BD cannot be installed/used together with the FX3U-CNV-BD.

For details on the system configuration, refer to the following manual

→ FX3UC 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.

> → FX3U Series User's Manual - Hardware Edition → FX3UC Series User's Manual - Hardware Edition

INSTALLATION **↑**CAUTION 「电器电子产品有害物质限制使用标识要求」的表示方式 PRECAUTIONS

- When drilling screw holes or wiring, make sure cutting or wire debris does no enter the ventilation slits.
- Failure to do so may cause fire, equipment failures or malfunctions
- Do not touch the conductive parts of the product directly. Doing so may cause device failures or malfunctions.
- Connect expansion board securely to their designated connectors. Loose connections may cause malfunctions

For the installation and removal, refer to the PLC main unit manual.

- → FX3U Series User's Manual Hardware Edition
- FYSUC Series User's Manual Hardware Edition

3. Specification

STARTUP AND MAINTENANCE PRECAUTIONS

ACAUTION

- Do not disassemble or modify the PLC.
- 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. Doing so may cause damage

DISPOSAL

PRECAUTIONS

↑CAUTION Please contact a certified electronic waste disposal company for the environmentally safe recycling and disposal of your device

TRANSPORT AND

CAUTION STORAGE PRECAUTIONS

- The product is a precision instrument. During transportation, avoid impacts large than those specified in the general specifications by using dedicated packaging boxes and shock-absorbing palettes.
- Failure to do so may cause failures in the product.

After transportation, verify operation of the product and check for damage of the mounting part, etc.

3.1 Applicable PLC

Model name	Applicability
FX3U Series PLC	Ver.2.20 or later (from first production)
FX3UC-32MT-LT	Ver.1.00 or later (from first production)
FX3UC-32MT-LT-2	Ver.2.53 or later (from first production)

→ FX3U Series User's Manual - Hardware Edition

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(PRR)

0

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多溴

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(PBDE)

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含有有害6物质的名称,含有量,含有部品

铅

(Pb) (Hg) (Cd)

0

部件名称

可编程

控制器

外壳

印刷基板

规定的限量要求以下。

26572规定的限量要求。

基于中国标准法的参考规格:GB/T15969.2

本表格依据SJ/T 11364的规定编制。

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occur as a result of using the contents noted in this manual.

/!\ 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
- 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.

MITSUBISHI ELECTRIC CORPORATION

HEAD OFFICE: TOKYO BUILDING, 2-7-3 MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN