



Side A JAPANESE
Side B ENGLISH

FX3S-CNV-ADP

INSTALLATION MANUAL



Manual Number	JY997D48801
Revision	E
Date	July 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.

Registration:
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Effective July 2018
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Safety Precaution (Read these precautions before use.)

This manual classifies the safety precautions into two categories:

WARNING and **CAUTION**.

WARNING	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 **CAUTION** may also cause severe injury. It is important to follow all precautions for personal safety.

Associated Manuals

Manual name	Manual No.	Description
FX3S Series User's Manual - Hardware Edition	JY997D48601 MODEL CODE: 09R535	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-CNV-ADP units comply with the EC Directive (EMC Directive). Further information can be found in the following manual.
→ FX3S Series Hardware Manual (Manual No. JY997D48301)

Attention

This product is designed for use in industrial applications.

1. Outline

The connection conversion adapter is an adapter for connecting the analog special adapters and communication special adapters to the FX3S PLC.

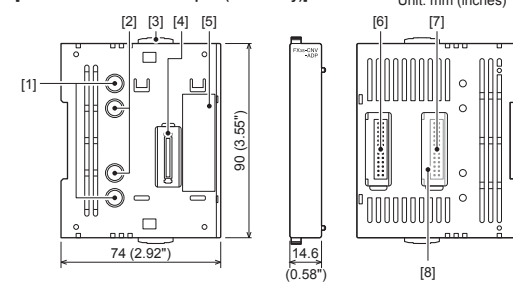
1.1 Incorporated Items

Verify that the following product and items are included in the package:

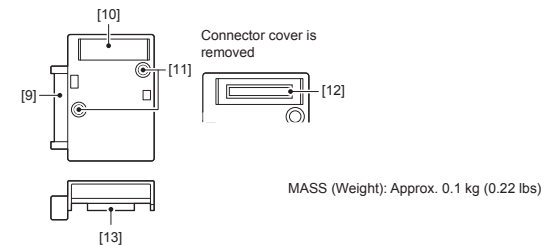
Included Item	
FX3S-CNV-ADP	1 unit
Tapping screws for installation (M3×8)	4 pcs.
Installation Manual (This manual)	1 manual each

1.2 External Dimensions and Part Names

[Connector conversion adapter (main body)]



[Connector conversion adapter (board)]



- [1] Main body mounting hole 1 (2-φ3.2)
(Use when connecting to main unit of AC power type)
- [2] Main body mounting hole 2 (2-φ3.2)
(Use when connecting to main unit of DC power type)
- [3] Special adapter slide hook
- [4] Special adapter connector
- [5] Nameplate
- [6] Board connector 1
(Use when connecting to main unit of AC power type)
- [7] Board connector 2
(Use when connecting to main unit of DC power type)
- [8] Board connector cover^{*1}
- [9] Main body connector
- [10] Memory cassette connector cover
- [11] Board mounting hole (2-φ3.2)
- [12] Memory cassette connector
- [13] Main unit connector

^{*1} Default configuration of board connector cover is installed to [7]. Install to [6] when connecting to main unit of DC power type.

2. Installation

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

INSTALLATION PRECAUTIONS **WARNING**

- Make sure to cut off all phases of the power supply externally before attempting installation or wiring work. Failure to do so may cause electric shock or damage to the product.

INSTALLATION PRECAUTIONS **CAUTION**

- 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 to high temperature, condensation, or rain and wind. If the product is used in such conditions, electric shock, fire, malfunctions, deterioration or damage may occur.
- Use screwdrivers carefully when performing installation work, thus avoiding accident or product damage.
- When drilling screw holes or wiring, make sure cutting or wire debris does not 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 the adapter securely to their designated connectors. Loose connections may cause malfunctions.

3. Specifications

STARTUP AND MAINTENANCE PRECAUTIONS **CAUTION**

- 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.

TRANSPORTATION AND STORAGE PRECAUTIONS **CAUTION**

- The product is a precision instrument. During transportation, avoid impacts larger than those specified in the general specifications by using dedicated packaging boxes and shock-absorbing pallets. 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
FX3S Series PLC	Ver. 1.00 or later (from first production)

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 manual.
→ FX3S Series User's Manual - Hardware Edition

「电器电子产品有害物质限制使用标识要求」的表示方式

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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)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
可编程外壳	○	○	○	○	○	○
控制器印刷基板	×	○	○	○	○	○

本表格依据SJ/T 11364的规定编制。

○: 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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Regardless of the gratis warranty term, Mitsubishi shall not be liable for compensation to:
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(2) Loss in opportunity, lost profits incurred to the user by Failures of Mitsubishi products.
(3) Special damages and secondary damages whether foreseeable or not, compensation for 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.