

**MITSUBISHI ELECTRIC**  
 PROGRAMMABLE CONTROLLERS  
 MELSEC-F

**FX3S-CNV-ADP**

**INSTALLATION MANUAL**

Manual Number	JY997D48801
Revision	B
Date	September 2013

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 and product names described in this manual are registered trademarks or the trademarks of their respective companies. Effective September 2013. Specifications are subject to change without notice. © 2013 Mitsubishi Electric Corporation

**Safety Precaution** (Read these precautions before use.)

This manual classifies the safety precautions into two categories:

**WARNING** and **CAUTION**.

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

**Note**

- Manufactured by: Mitsubishi Electric Corporation  
 2-7-3 Marunouchi, Chiyoda-ku, Tokyo, 100-8310 Japan
- Manufactured at: Mitsubishi Electric Corporation Himeji Works  
 840 Chiyoda-machi, Himeji, Hyogo, 670-8677 Japan
- Authorized Representative in the European Community:  
 Mitsubishi Electric Europe B.V.  
 Gothaer Str. 8, 40880 Ratingen, Germany

**1. Outline**

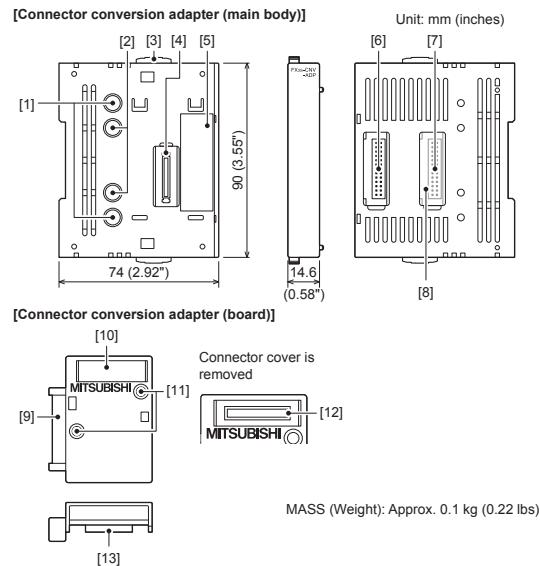
The connection conversion adapter is an adapter for connecting the analog special adapters and communication special adapters to the FX3S PLC.

**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**



- [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, Cl<sub>2</sub>, H<sub>2</sub>S, SO<sub>2</sub> or NO<sub>2</sub>), 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 any impacts. Failure to do so may cause failures in the product. After transportation, verify the operations of the product.

**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

This manual confers no industrial property rights or any rights of any other kind, nor does it confer any patent licenses. Mitsubishi Electric Corporation cannot be held responsible for any problems involving industrial property rights which may occur as a result of using the contents noted in this manual.

**Warranty**

Mitsubishi will not be held liable for damage caused by factors found not to be the cause of Mitsubishi; opportunity loss or lost profits caused by faults in the Mitsubishi products; damage, secondary damage, accident compensation caused by special factors unpredictable by Mitsubishi; damages to products other than Mitsubishi products; and to other duties.

**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.