



# FX3G-CNV-ADP INSTALLATION MANUAL

|               |              |
|---------------|--------------|
| Manual Number | JY997D32301  |
| Revision      | G            |
| Date          | January 2017 |

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 January 2017  
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## Safety Precautions (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   |
|--|-----------------------------------|---|
| FX3G Series User's Manual - Hardware Edition | JY997D31301<br>MODEL CODE: 09R521 | Explains the FX3G 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

FX3G-CNV-ADP units made in November 2008 or later comply with the EC Directive (EMC Directive). Further information can be found in the following manual.

→ **FX3G Series Hardware Manual (Manual No. JY997D46001)**

## Attention

This product is designed for use in industrial applications.

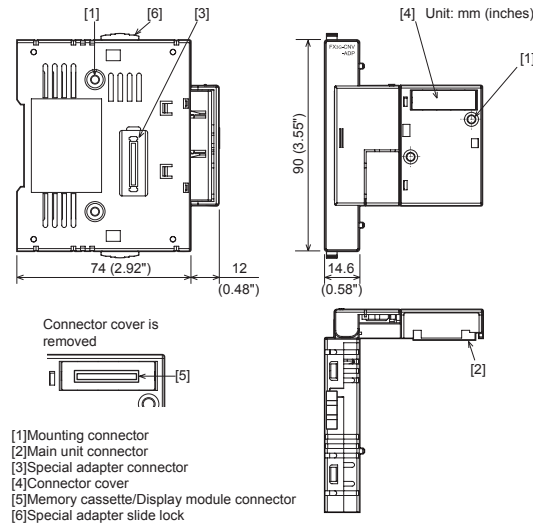
## 1. Outline

The FX3G-CNV-ADP special adapter connection conversion adapter (hereinafter called connector conversion adapter) is a special adapter connection conversion adapter for connecting the analog and communication special adaptors to the main unit of a PLC.

## 1.1 Incorporated Items

|                       |   |
|-----------------------|---|
| <b>Product</b>        | FX3G-CNV-ADP special adapter connection conversion adapter  |
| <b>Included items</b> | <ul style="list-style-type: none"> <li>M3×8 tapping screws for installation: 4 pcs.</li> <li>Side cover</li> <li>Installation Manual (This manual)</li> </ul> |

## 1.2 External Dimensions and Part Names



- [1] Mounting connector
- [2] Main unit connector
- [3] Special adapter connector
- [4] Connector cover
- [5] Memory cassette/Display module connector
- [6] Special adapter slide lock

## 2. Installation

**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 that cutting and wiring debris do not enter the ventilation slits of the PLC. 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.

For the installation and cable connection, refer to the following manual.  
→ **FX3G Series User's Manual - Hardware Edition**

## 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.

**TRANSPORT 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                             |
|-----------------|---|
| FX3G Series PLC | Ver.1.00 or later (from first production) |

For details on the system configuration, refer to the following manual.  
→ **FX3G 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.  
→ **FX3G Series User's Manual - Hardware Edition**

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| 外壳     | ○      | ○      | ○      | ○             | ○          | ○            |
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(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.