Safely Precautions (read these precautions before use.)

1. When making or breaking connections, never perform the work with the power supply on. Doing so may cause device failures or malfunctions.

2. After installing or removing the special adapter, please replace the following unit with the special adapter, please replace the following unit with a special adapter, please replace the special adapter with another special adapter.

3. When connecting this product to another device, drive back the metal of the special adapter to another device. When connecting this product to another special adapter, please replace the following unit with the special adapter, please replace the special adapter with another special adapter.

4. When connecting to the PLC, use the following precautions. When connecting to the PLC, use the following precautions:

   a. Connect the special adapter securely to their designated connectors.
   b. Do not connect a high-speed I/O special adapter on the left side of any PLC main unit as shown in the figure. Connecting a high-speed I/O special adapter to the PLC may cause device failures.
   c. When connecting this product to another device or system, do not plug in or unplug the terminal block or other electrical elements while the following precautions:
      i. Connecting to the PLC will not harm the PLC.
      ii. Connecting to the PLC will not harm the PLC.

5. Connections precautions

   a. While using a special adapter, please connect the special adapter to the main unit as shown in the figure.
   b. When connecting this product to another device, drive back the metal of the special adapter to another device. When connecting this product to another special adapter, please replace the following unit with the special adapter, please replace the special adapter with another special adapter.
   c. When connecting this product to another device or system, do not plug in or unplug the terminal block or other electrical elements while the following precautions.
      i. Connecting to the PLC will not harm the PLC.
      ii. Connecting to the PLC will not harm the PLC.

6. For safe use

   a. This product has been manufactured in accordance with the relevant international safety standards and the CE mark has been affixed in accordance with the EC Directive. This product is also CE-marked in accordance with the EC Directive.
   b. This product conforms to the EN 61131-2 standard on safety requirements for programmable controllers and programmable controllers. This product is also CE-marked in accordance with the EC Directive.
   c. This product has been manufactured in accordance with the relevant international safety standards and the CE mark has been affixed in accordance with the EC Directive. This product is also CE-marked in accordance with the EC Directive.
1.2 External Dimensions, Part Names, and Terminal Layout

- Special adapter connector

2.1 Connection to the PLC

- Use the connection instructions shown in the manual. When connecting the product to another device, be sure to follow the connection instructions shown in the above description with a special adapter, and confirm the connection and perform the provisibility test.

- Special adapter connector

2.2 Wiring for Analog Input

- Special adapter

3. Power Supply Wiring

- Basic & Applied Programming Manual

4.4 Performance Specifications

- FX3U Series Hardware Manual (Manual No. JY997D50301)

4.5 Models Supported

- FX3U-4AD-ADP analog input special adapter

3. Applicable Cable and Terminal Tightening Torque


4. Applicable PLC

- FX3S/FX3G/FX3GC/FX3U/FX3UC Series Manual No. JY997D50101

5. Applicable Standards


Associated Standards

- Applicable standards of FX3U-4AD-ADP as of 2008. It can be used with the EM Direction (EM Direction) and DBI Advanced (LS, etc.). Further information can be found in the following manual.


- FX3S/FX3G/FX3GC/FX3U/FX3UC Series Manual No. JY997D50101

- FX3S/FX3G/FX3GC/FX3U/FX3UC Series Hardware Manual (Manual No. JY997D50501)

Regarding the applicable standards, refer to the applicable standards in each product specification.

Attention

This product is designed to be used in control applications.

Cautions for EC Directives

This product is not suitable for use in machinery, medical equipment, or space applications.

1. Applicable cables

- Basic & Applied Programming Manual

2. Applicable parts

- Basic & Applied Programming Manual

3. Applicable parts


4. Applicable parts

- FX3S/FX3G/FX3GC/FX3U/FX3UC Series Manual No. JY997D50101

5. Applicable parts

- FX3S/FX3G/FX3GC/FX3U/FX3UC Series Hardware Manual (Manual No. JY997D50501)

For the terminal configuration, refer to Section 1.2

3.2 Power Supply Wiring

For the power supply wiring, refer to the following manual.


3.3 Wiring of Analog Input


3.4 Grounding


4. Specifications


5. Specifications


6. Specifications


7. Specifications


8. Specifications


9. Specifications


10. Specifications


11. Specifications


12. Specifications

1.2 Specifications

- 1.2 External Dimensions, Part Names, and Terminal Layout

![Diagram of external dimensions and terminal layout]

- 1.2.1 Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>(Unit: mm)</td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>95.0</td>
</tr>
<tr>
<td>Height</td>
<td>135.6</td>
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<tr>
<td>Depth</td>
<td>65.0</td>
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</tbody>
</table>

- 1.2.2 Part Names

- 1.2.3 Terminal Layout

- 1.3 Installation

1.3.1 Power Supply Wiring

- 1.3.1.1 Power Source (Power Supply Type)

<table>
<thead>
<tr>
<th>Type</th>
<th>DC Power Supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC Power Supply</td>
<td>DC Power Supply</td>
</tr>
<tr>
<td>Type</td>
<td>DC Power Supply</td>
</tr>
<tr>
<td>Voltage</td>
<td>24 V DC</td>
</tr>
<tr>
<td>Current</td>
<td>50 mA</td>
</tr>
<tr>
<td>Short-circuit</td>
<td>100 mA</td>
</tr>
</tbody>
</table>

1.3.1.2 Precautions

- Precautions for Power Supply Wiring

- When using a terminal with a terminal wire, choose a wire with proper rating and tighten the wires securely to ensure a good connection.
- Use the correct wire gauge for the terminal to prevent damage.
- Do not attempt to use the same wire for multiple connections.

1.3.2 Analog Input

- 1.3.2.1 Wiring Precautions

- Use shielded cable with a diameter of 0.5 mm² to 0.8 mm² (AWG 22 to 20).
- Use shielded cable with a diameter of 0.5 mm² to 0.8 mm² (AWG 22 to 20).

- 1.3.2.2 Wiring to Analog Devices

- Wiring to analog devices should use 20-22 AWG wire.

1.3.3 Warning

- Ensure that all wiring and connections are secure to prevent electrical shocks.

- 1.3.4 Notes

- This product is designed for use in industrial applications.

- Caution for EC Directive

- The equipment has been designed to comply with the European Union's EMC directive. The equipment complies with the requirement of the EU's EMC directive 2014/30/EU.

- The equipment has been designed to comply with the European Union's EMC directive. The equipment complies with the requirement of the EU's EMC directive 2014/30/EU.

1.4 Applicable PLC

- 1.4.1 Applicable PLC

<table>
<thead>
<tr>
<th>Model Type</th>
<th>Specifications</th>
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<tbody>
<tr>
<td>FX3u-4AD-ADP</td>
<td></td>
</tr>
</tbody>
</table>

1.4.2 Wiring to PLC

- 1.4.2.1 Wiring to PLC

- For wiring to PLC, use shielded cable with a diameter of 0.5 mm² to 0.8 mm² (AWG 22 to 20).

- 1.4.2.2 Precautions

- Use shielded cable with a diameter of 0.5 mm² to 0.8 mm² (AWG 22 to 20).

- 1.4.2.3 Notes

- This product is designed for use in industrial applications.

- Caution for EC Directive

- The equipment has been designed to comply with the European Union's EMC directive. The equipment complies with the requirement of the EU's EMC directive 2014/30/EU.

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