

1. Outline

1.1 Applicable Analog Control

1.2 External Dimensions, Part Names, and Terminal Layout

2. Installation

2.1 Warning

2.2 Installation Precautions

2.3 Wiring Precautions

3. Wiring

3.1 Preparation

3.2 Wiring Precautions

3.3 Cable end treatment and tightening torque

4. Specifications

4.1 Applicable CPU module

4.2 General Specifications

4.3 Power Supply Specifications

5. Appendix

5.1 How to Read Manuals

5.2 Associated Manuals

5.3 Revision Log

Appendix

Acknowledgments

Disclaimer
Hardware Manual

1. Outline

The FX5-4AD-ADP expansion adapter for analog input (hereinafter called 4AD-ADP) is a 4-channel analog input terminal block, capable of accepting 4-channel analog input. The analog input voltage range is -10 to +10 V DC, and the input resistance is 1 MΩ.

2. Installation

2.1 Equipment connection

Connect the expansion board and expansion adapter securely to their designated terminals and connectors.

2.2 Power supply connection

Be sure to cut off all phases of the power supply externally before attempting installation or wiring work.

2.3 Grounding connection

- The output should not be connected to the power supply line or power line. As a guideline, lay the power line, control line, and communication line far apart.
- Make sure to cut off all phases of the power supply externally before attempting installation or wiring work.

2.4 Wiring of input signal

- For the terminal assignments, refer to Section 1.2 of the manual.
- Tightening torque should follow the specifications in the manual.
- Do not enter the ventilation slits of the PLC.

3. Wiring

3.1 Terminal block fixed screw tightening torque

- The grounding wire size should be AWG 22 to 20 (0.3 to 0.5 mm²).
- The grounding resistance should be 100 Ω or less.

4. Specifications

4.1 Applicable CPU module

- Applicable CPU module

4.2 General Specifications

- Power Supply Specifications

- Analog input voltage range

- Isolation method

- Status and troubleshooting

- Protective circuitry

- Internal power supply specifications

4.4 Performance Specifications

- Analog input current specifications

- Terminal block fixed screw tightening torque

- Protective circuitry

- Internal power supply specifications

5. Warranty

- The warranty period for the power supply specification below after installation or wiring work.

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

- Make sure to properly wire to the terminal block (European type) in the manual.

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

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