The version number can be checked by monitoring D8001/D8101 as the last three digits. This manual classifies the safety precautions into two categories: (1) If done incorrectly, the result may be hazardous conditions, resulting in death or severe injury. (2) If done incorrectly, it may cause damage to the product.

4.1 Applicable PLC

4.2 General Specifications

4.3 Performance Specifications

4.4 List of Special Devices

For details of the product, refer to the Installation Manual (This manual).
1. Outline
The FX3G-1DA-BD (hereinafter called 1DA-BD) is an expandable module for adding one additional analog output point.

1.1 Incorporated Items

1.1.1 Input/Output Points

1.1.1.1 Digital input

1.1.1.2 Digital output

1.1.1.3 Analog input

1.1.1.4 Analog output

1.2 External Dimensions, Part Name

1.2.1 For the terminal configuration, refer to Section 1.2 in the module manual (Hardware Edition).

2. Installation

2.1 Making Sure Flat of the Power Supply Exceedingly Before Attaching Terminals or Using as a Power Source

2.2 Tin Finish nickel silver 0.3 mm2 to 1.0 mm2 (AWG22 to 18)

2.3 Wiring of Analog Output

2.4 General Specifications

3. Wiring

3.1 Applicable Cable and Terminal Tightening Torque

3.1.1 Terminal block (Europen type)

3.2 Applicable cable

3.3 Applicable terminal tightening torque

3.4 Wiring of Analog Output

4. Specifications

4.1 Applicable PLC

4.2 General Specifications

4.2.1 Performance Specifications

4.3 Terminal Specifications

4.4 List of Special Devices

Installation Precautions

Use the product in accordance with the installation instructions indicated in the text and manual (Hardware Edition). For product manuals or documents, consult with the Mitsubishi Electric dealer or Mitsubishi Electric. Mitsubishi Electric recommends that shielded cables should be used. For details on EMC protection and safety instructions, consult the following manuals.

1) Do not bundle the power line or shield of the analog input/output cable together with the main circuit, high-voltage line, or load line.
2) Termination of cable end
3) Grounding should be performed as stated below.

Using current

C to 55 °C (0.6") (0.56")

3. Wiring

3.1 Applicable Cable and Terminal Tightening Torque

3.1.1 Terminal block (European type)

3.2 Applicable cable

3.3 Applicable terminal tightening torque

3.4 Wiring of Analog Output

4. Specifications

4.1 Applicable PLC

4.2 General Specifications

4.2.1 Performance Specifications

4.3 Terminal Specifications

4.4 List of Special Devices
For the terminal configuration, refer to Section 1.2

The FX 3G-1DA-BD board (hereinafter called 1DA-BD) is an expansion board for PLCs. It can be used in the following models:

• FX3S Series
• FX3G Series
• FX3GC Series
• FX3U Series
• FX3UC Series

Caution: This symbol mark is for China only.

1.1 Incorporated Items

The grounding resistance should be 100 Ω or less.

2. Installation

2.1 Wiring of Analog Output

Within the power supply unit, the power supply unit must be wired to the terminal block. When using a ferrule with insulation sleeve, choose a wire with proper cable size and insulation size. Do not use the ferrule together with a strip of wires of electric wires at a specified size.

3. Wiring

3.1 Applicable Cable and Terminal Tightening Torque

For tightening the terminal, use a cross-head screwdriver or an allen key. Choose a screwdriver with a tip diameter of 0.5 to 0.7 mm (2/32 to 1/8 in.), and tighten as follows:

- Single-wire 0.3 mm² to 0.5 mm² (AWG22 to 20)
- Strand wire/single wire

4. Specifications

4.1 Applicable PLC

Note: This symbol mark is for China only.

The following table contains a list of the applicable cables and terminal tightening torques.

Note: This symbol mark is for China only.

5. Product specifications

5.1 Performance Specifications

Note: This symbol mark is for China only.

6. Functional specifications

6.1 Functional specifications

Note: This symbol mark is for China only.

7. Hardward specifications

Note: This symbol mark is for China only.

8. Communications specifications

Note: This symbol mark is for China only.

9. Safety specifications

Note: This symbol mark is for China only.

10. Environmental specifications

Note: This symbol mark is for China only.

11. Package specifications

Note: This symbol mark is for China only.

12. Limited warranty

Note: This symbol mark is for China only.

13. Other specifications

Note: This symbol mark is for China only.

14. List of Special Devices

Note: This symbol mark is for China only.

15. Revision History

Note: This symbol mark is for China only.