3. Installation

For installation in detail, refer to the respective PLC User's manual Hardware Edition.

For installation work to other PLCs, refer to the respective PLC User's manual Hardware Edition.

3.1 Connection to the PLC

This section describes the connection method for the PLC (FX3U Series) PLC Unit is used. For installation work to other PLCs, refer to the respective PLC User's manual Hardware Edition.

1. Tool for the power, F and other signals connected to the PLC main unit and special adapters and loosen the main unit integrated signals (600 V or less) and 9-pin D-Sub connector (male) (for 600 V or less).

2. Inserting the connector to the main unit and special adapter and tighten the plastic retaining clip (male) to the 600 V or less.

3. Inserting the connector to the main unit and special adapter and tighten the plastic retaining clip (male) to the 600 V or less.

4. Inserting the connector to the main unit and special adapter and tighten the plastic retaining clip (male) to the 600 V or less.

5. Inserting the connector to the main unit and special adapter and tighten the plastic retaining clip (male) to the 600 V or less.

2.2 Communication Port

The communication port is used to connect the PLC's RS-232C output and input signals to a computer or other equipment. The RS-232C output and input signals can be connected to a computer or other equipment using the following communication cables and adapters:

1. 1.1 Communication Function

2. 1.2 Incorporated Items

3. 1.3 External Dimensions and Part Names

4. 1.4 Pin Configuration

5. 1.5 Communication Port

2.3 Plug-in Module

The plug-in module is used to connect the PLC's RS-232C output and input signals to a computer or other equipment. The RS-232C output and input signals can be connected to a computer or other equipment using the following communication cables and adapters:

1. 2.1 Connection to the PLC

2. 2.2 Communication Port

3. 2.3 Plug-in Module

2.4 Communication Port

The communication port is used to connect the PLC's RS-232C output and input signals to a computer or other equipment. The RS-232C output and input signals can be connected to a computer or other equipment using the following communication cables and adapters:

1. 4.1 Data Transmission

2. 4.2 Data Reception

3. 4.3 Data Transmission

5. 4.4 Data Reception

2.5 Power Supply Specifications

The power supply specifications for the PLC are as follows:

- DC Power Supply:
  - Input Voltage: 100 to 120 V AC
  - Output Voltage: 24 V DC

- AC Power Supply:
  - Input Voltage: 200 to 240 V AC
  - Output Voltage: 24 V AC

3. Installation

For installation in detail, refer to the respective PLC User's manual Hardware Edition.

For installation work to other PLCs, refer to the respective PLC User's manual Hardware Edition.
3. Installation

For installation and cabling details, refer to the respective PLC User’s manual (Hardware Edition).

3.1 Connection to the PLC

This section describes the connection method to the PLC (FX3U Series PLC is used for the example).

For installation to other PLCs, refer to the respective PLC User’s manual (Hardware Edition).

For FX3U-232ADP, the connection method is the same as when connecting to FX3U-232ADP, and all connections with the master station are performed in the same manner. However, be sure to connect suitable adapters to the slave station.

You can use the FX3U-series PLC (Ver. 2.41 or later) and FX3S/FX3G/FX3GC series PLCs, FX3S series PLCs (Ver. 1.00 or later) or FX3G series PLCs (Ver. 1.00 or later) (No communication between the PLC and an RS-232C device for FX3G series PLCs Ver. 1.00 or later is possible).

3.2 Connection

Connection to the PLC can be performed using dedicated communications software or by connecting terminals with the help of adapters (for the master station). When connecting to another FX3U/FX3GC series PLC, use the special adapter (CNV-ADP). When connecting to another FX3S series PLC, use the special adapter (CNV-ADP) or the special adapter (FX3S series PLC).

Connection procedures can be performed using dedicated communications software or by connecting terminals with the help of adapters. Details on how to connect a PLC using the dedicated communications software or to connect manually are described in the following.

Applicable standards

FX3U-232ADP's data is made in June, 2008 to comply with the EC Directives (EMC Directive) and Di. (Inspiration) (LVD, etc.). Further information can be found in the following manual.

- FX3U Series Hardware Manual (Manual No. JY997D101)
- FX3G Series Hardware Manual (Manual No. JY997D102)
- FX3U Series Control System Basic Manual (Manual No. JY997D13701)

5) Be sure to connect the master station and slave station to the PLC using the special adapter.

6) Be sure to connect the master station and slave station to the PLC using the special adapter (CNV-ADP).
4. Wiring For wiring details, refer to the following manual:

- FX3 Series PLC User’s Manual - Data Communication Edition

5. Specifications

5.1 Applicable PLC

- FX3S (FX3G, FX3GC) Series PLC
- FX3U (FX3UC, FX3UC-32MT-LT) Series PLC

5.2 General Specifications

- PLC power supply: 24V DC ±10%


- For more information, consult the Mitsubishi Electric dealer from where you purchased your product.

For wiring details, refer to the following manual:

- FX3 Series PLC User’s Manual - Data Communication Edition

For wiring details, refer to the following manual:

- FX3 Series PLC User’s Manual - Data Communication Edition

5.3 Power Supply Specifications

- PLC power supply: 24V DC ±10%