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FXXNC

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formation of static electricity, or the product may be damaged.

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8. Settings in GX Developer

Set the IP address, the TCP port number and the connection mode, etc. on the transfer window dialog box, when accessing FX1S, FX1N, FX2N, or FX2NC Series PLCs from GX Developer.

Note:
- GX Developer needs to be Version 8.25B or later.
- FX Configuration Editor needs to be installed on the personal computer.
- For details on the installation method of FX Configuration Editor, refer to the FX Configuration Editor Operation Manual.

8.1 Setting method

Select [Online] → 8.1 Setting method → Transfer setup dialog box, when accessing FX1S, FX1N, FX2N, or FX2NC Series PLC via Ethernet from GX Developer.

• GX Developer must be Version 8.25B or later.

8.2 Operations

In GX Developer, operations such as upload, download, monitoring and test of a program are performed in the same way as with serial communication.

Next, set "FX-ENET-ADP" at [Module type].

For details on the installation method of FX Configurator-EN, refer to the FX Configurator-EN Operation Manual.

9. Setting in MX Component

Note:
- MX Component needs to be Version 5.06B or later.
- FX Configuration Editor needs to be installed on the personal computer.
- For details on the installation method of FX Configuration Editor, refer to the FX Configuration Editor Operation Manual.
- In case of Virtual COM Port (VCP) Driver, set the logical station number for Ethernet.

9.1 Setting method

Select [Programs] → [MELSOFT Application] → [MX Component] → [Communication Setting] → [Wizard].

Note: In case of Virtual COM Port (VCP) Driver, add the Logical station number for Ethernet.

MX Component must be Version 3.08J or later.

9.2 Operations

In MX Component, operations such as upload, download, monitoring and test of a program are performed in the same way as with serial communication.
8. Settings in GX Developer

- Set the IP address, the TCP port number, and the connection name, etc. on the transfer window dialog box when accessing FX1S, FX1N, FX2N, or FX2NC Series PLCs through the GX Developer.

**Note:**
- GX Developer must be Version 8.25B or later.
- FX Configurator-EN must be installed on the personal computer.

8.1 Setting method

- [Online]

8.2 Operations

- In GX Developer, operations such as upload, download, monitoring and test of a program are performed in the same way as with serial communication.

9. Setting in MX Component

**Note:**
- MX Component must be Version 5.0 or later.
- FX Configuration-EN must be installed on the personal computer.

For details on the installation method of MX Component, refer to the MX Component EN Operation Manual.

9.1 Setting method

- Set the IP address, the TCP port number and the connection route, etc. on the 8. Settings in GX Developer window dialog box when accessing the FX-ENET-ADP.

**Note:**
- In the example parameter settings in Section 7.3, the IP address is set to "192.168.0.110".
- Open the MS-DOS prompt (command prompt in the Windows2000/XP).
- Executing the PING command between Ethernet devices using the IP address of TCP/IP is possible.

Refer to the PING command described below.

**Reference:**
The following command confirms whether the communication using TCP/IP is possible. The command line is as follows:

```
ping 192.168.0.110
```

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- This product has been manufactured under strict quality control. However, due to the nature of semiconductor devices, failures could occur if the device fails to withstand excessive voltage or current.
FX2NC-ENET-ADP Ethernet adapter

USER’S MANUAL

The FX2NC-ENET-ADP Ethernet adapter is designed to enable Ethernet communication for the FX2NC series PLCs. It is an adapter that connects the FX2NC series PLC to the Ethernet network, allowing for remote access and monitoring.

1. Associated Manuals

- FX2NC HARDWARE MANUAL JY992D84701
- FX1S HARDWARE MANUAL JY992D83901
- FX1S/HARDWARE MANUAL JY992D84901
- PC INTERFACE CONNECTION BOARD JY992D84801
- Connection Board JY992D84701
- FX PROGRAMMING MANUAL II JY992D88101
- FX1S/PC INTERFACE MANUAL JY992D84701
- FX1S/HARDWARE MANUAL JY992D83901
- FX1S/FX1N/PLC + FX1N-CNV-BD INSTALLATION INSTRUCTIONS JY992D84701

2. Outline of Product

The FX2NC-ENET-ADP Ethernet adapter is designed to be used with the FX2NC series PLCs. It provides Ethernet connectivity, enabling remote monitoring and control.

3. Installation

- Connect the built-in cable of the FX2NC-ENET-ADP to the special adapter port on the left side of the main unit.
- Turn OFF the PLC before beginning any work.
- Equipment requirements and tests
- Class II equipment
- For the contents of these parameters, see the network environment.
- Compliance with all relevant aspects of the standard.
- For the contents of these parameters, see the network environment.

4. System Configuration

5. 5.1 Specifications

The FX2NC-ENET-ADP Ethernet adapter is designed to work with the following specifications:

- Compatible with the FX2NC series PLCs
- Ethernet communication
- Remote monitoring and control

6. Wiring

6.1 Wiring Precautions

- When wiring, be sure to connect the power cable in accordance with the wiring diagram and the specifications provided by the manufacturer.
- When wiring, be sure to connect the power cable in accordance with the wiring diagram and the specifications provided by the manufacturer.
- Wiring Precautions

7. Parameter Settings for FX2NC-ENET-ADP

- The FX2NC-ENET-ADP parameter settings can be made using the FX Configurator-EN software.
- Description

8. Using the PLC programs

- When using the PLC programs, the parameters for the FX2NC-ENET-ADP can be set using the program statements shown below:

9. 7.4 Check of configuration using SD LED and RD LED

- When configuring the FX2NC-ENET-ADP, the parameter settings can be checked using the SD LED and RD LED.
- For more details, refer to the associated manuals provided by the manufacturer.

Note

- When configuring the FX2NC-ENET-ADP, the parameter settings can be checked using the SD LED and RD LED.
- For more details, refer to the associated manuals provided by the manufacturer.
8. Settings in GX Developer

Set the IP address, the TCP port number and the connection mode, etc. on the transfer setting dialog box when accessing FX-series PLCs, FX-series PCs, or Public Serial PLCs with Ethernet and USB Developer.

Note:
- GX Developer must be Version 3.09B or later.
- FX Configuration Editor must be installed in the personal computer.
- For details on the installation method of FX Configuration Editor, refer to the FX Configuration Editor Operation Manual.

8.1 Setting method

Select [Online] for [Connect module] → [Connect PLC].

Double-click "Ethernet board" "Module setting" "Ethernet board"

Set the TCP Port Number (Port No) connection destination as assigned to the FX2NC-ENET-ADP.

Set the IP address connection setting destination as assigned to the FX2NC-ENET-ADP to the sequence program.

Refer to Chapter 7.

8.2 Operations

In GX Developer, operations such as upload, download, monitoring and test of a PLC via Ethernet from GX Developer.

Note:
- FX Configurator-EN must be installed on the personal computer.

For details on the installation method of FX Configurator-EN, refer to the FX Configurator-EN Operation Manual.

9. Setting in MX Component

Note:
- MX Component must be Version 3.08J or later.
- MX Component must be Version 3.08J or later.
- FX Configurator-EN must be installed on the personal computer.
- For details on the installation method of FX Configurator-EN, refer to the FX Configurator-EN Operation Manual.

9.1 Setting method

Select [Program] → [WIN32/SFX Application] → [MX Component] → [Communication Setting Utility].

First, set the logical station number for Ethernet.

First, set "Ethernet board" at [PLC side I/F]. Next, set "FX-ENET ADP" at [Connect module].

First, set "Ethernet board" at [PLC side I/F]. Next, set "FX-ENET ADP" at [Connect module].

First, set "Logical station number" at [Connect module] → [Connect PLC].

Select the "Logical station number" for Ethernet.

Select the "Suggested station number" for Ethernet.

Set the IP address connection setting destination as assigned to the FX2NC-ENET-ADP to the sequence program.

Refer to Chapter 7.

9.2 Troubleshooting

When installing the product where major accidents or losses could occur if the product fails, install appropriate backup or failsafe functions in the system.

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