### INSTALLATION MANUAL

**FX3U-ENET-L**

#### 1. Outline


**FX3U-ENET-L** includes the built-in Ethernet control board that supports normal communication and half-duplex communication for industrial communication networks and can perform communication with a general Ethernet device using TCP/IP, UDP, Telnet, and Dynamic Host Configuration Protocol (DHCP). The built-in Ethernet control board supports standard Ethernet protocols such as TCP/IP, UDP, Telnet, and Dynamic Host Configuration Protocol (DHCP).

**FX3U-ENET-L** also includes the built-in Ethernet control board that supports normal communication and half-duplex communication for industrial communication networks and can perform communication with a general Ethernet device using TCP/IP, UDP, Telnet, and Dynamic Host Configuration Protocol (DHCP). The built-in Ethernet control board supports standard Ethernet protocols such as TCP/IP, UDP, Telnet, and Dynamic Host Configuration Protocol (DHCP).

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INSTALLATION MANUAL

1. Installation PRECAUTIONS

1. Mounting

The FX3U-ENET-L can be mounted directly using screws or an DIN rail kit (not included).

Direct Mounting

FX3U-ENET-L can be mounted with the screws using the direct mounting method.

A kit of 4 screws (M3×6, M4×8) and 2 washers is included.

1. 1.2 Installation Procedure

1. Mounting to DIN Rail

DIN Rail Width

DIN Rail Width

1. Procedure for connecting with the FX3u Series PLC

Wiring Diagram

Since the FX3u-ENET-L has a destination address automatic setting function, you do not have to set the PLC address as shown in the following manual.

1. Specification

For detailed information, refer to the following manual: FX3u-ENET-L User Manual.

2. Procedure for connecting with the FX3u Series PLC

Wiring Diagram

Start-up/ Maintenance Manual

Connect the FX3u-ENET-L and the FX3u PLC using the standard cables (FX3UC-ENET-L, FX3UC-CRJ45P, 26572) and Ethernet cables (81F012631). Refer to the FX3u Series PLC manual for the connection diagram of the FX3U-ENET-L.

When connecting to an FX3u:

When connecting the FX3UC, when using the 100M CRJ45P in the C2 position, it is necessary to connect the Ethernet cable to the main unit. (Model name: FX3UC-CRJ45P-ENET-L Cx (Cd) / 26572)

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3. Specification

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4. Wiring

When using both 100M and 10M connections, the Ethernet cable can be used for both connections. However, it is recommended that you use separate Ethernet cables for each connection.

4.1.1 Integrated Buses

- The integrated bus can be used on all the buses for Ethernet wiring.
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4.1.2 External Dimensions and Part Names

- The pin configuration of FX 3U-ENET-L RJ45 type modular jack (for category 5 or 5e) is as follows:

4.2 Internal Connections

- The FX 3U-ENET-L parameters can be set easily using FX Configurator-EN-L.
- The FX 3U-ENET-L has the features as follows.

4.3.1 Application PLC

- The FX 3U-ENET-L is compatible with all the FX3U series PLCs.
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4.3.2 Related software

- The FX 3U-ENET-L is compatible with all the FX3U series PLCs.
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4.4 Appendix

- The FX 3U-ENET-L is compatible with all the FX3U series PLCs.
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2.1.3 Procedure for connecting with the FX 3U Series PLC

When connecting to an FX3U:

2.1.2 DIN Rail Mounting

The FX3U-ENET-L can be mounted with M4 screws by using the direct mounting holes or the DIN rail mounting groove. Make sure that the bottom side of the DIN rail is about 0.6 mm lower than the unit case, and use the DIN rail mounting hook or DIN rail mounting groove to fix the unit. The unit is fixed with screws from the back side. Screws are not included. For detailed information, refer to Figure 3.1-3.

Do not touch any terminals or connector while the PLC's power is on. Failure to do so may cause malfunction or failure of this unit.

Failure of the power supply may cause damage to the product. Ensure that all of the power supply failure to do so may cause malfunction or failure of this unit.

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