**FX3-232ADP-MB Installation Manual**

**3. Installation**

For wiring details, refer to the respective PLC User’s manual.

**4. Wiring**

For wiring details, refer to the following manual:

**5. Specification**

**3.1 Connection to the PLC**

This section describes the connection method to the PLC (FX3U series). Refer to the following manual for connection to the respective PLC User’s manual.

**3.2 Connection precautions**

When connecting to the PLC, ensure that the special adapter is used after the PLC power supply is turned off. Failure to do so may cause operation errors or the adapter may not function properly.

**3.3 Handling precautions**

- Store the special adapter in a safe place so that it will not be damaged.
- Keep the special adapter away from direct sunlight, humidity, and dust.
- Do not use the special adapter if it is damaged.
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1. Outline

The FX3U-232ADP-MB communication special adapter (hereinafter called 232ADP-MB) is a special adapter for RS-232C communication with an 9-pin D-Sub connector. It supports MODBUS communication in the FX PLC. The product is used for connecting the PLC and RS-232C device.

2. Channel Allocation

Up to 2 communication ports can be added to the main unit. Refer to the following figure for the maximum number of communication channels.

The communications channels of the FX3U Series PLC are allocated as follows:

- Communication port 1 is equivalent to the PLC main unit.
- Communication port 2 is allocated via CQM1H-ADP-MB.
- Communication port 2 is allocated via CNV-ADP MB.

3. Wiring

For wiring details, refer to the following manual:

- FX3S Series User’s Manual - Data Communication Edition

4. Wiring

For wiring details, refer to the following manual:


5. Power Supply Specification

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6. General Specifications

For the general specifications, refer to the respective PLC User’s Manual Hardware Edition.
2. Channel Allocation
Up to two communication ports can be added to the main unit. Refer to the Mitsubishi PLC User’s Manual - Communication Edition for more information.

3. Installation

3.1 Connection to the PLC
The FX3U-232ADP-MB communication port adapter is automatically allocated to the PLC when it is connected to the main unit. See the following manual for details.

3.2 Wiring
For wiring details, refer to the following manuals:
- FX3U-Programmer Hardware Edition
- FX3U-series-PGM Software Edition
- FX3U-series Maintenance and MODBUS Communication

4. Wiring
For wiring details, refer to the following manuals:
- FX3U-series-PGM Software Edition
- FX3U-series-PGM Software Edition
- FX3U-series Maintenance and MODBUS Communication

4.1 Pin-Configuration
The pin configurations of the RS-232C port on the FX3U-232ADP-MB is shown below.

5.1 Applicable PLC
FX3U-232ADP-MB units made in April, 2007 or later comply with the EC Directive (EMC Directive) and UL standards (UL, cUL). Further information can be found in the following manual.

For wiring details, refer to the following manual.
- RX cable: FX3U-series Maintenance and MODBUS Communication
- TX cable: FX3U-series Maintenance and MODBUS Communication

5.2 Power Supply Specification

5.3 Power Supply Specification

5.4 Performance Specification
The following is a specification for the FX3U-232ADP-MB port: Power supply: 9.9 VDC (min.) - 36 VDC (max.).

6.1 General Specifications
The following general specifications refer to the FX3U-232ADP-MB communication port adapter in all FX3U Series PLCs.

6.2 Specifications
The following specifications refer to the FX3U-232ADP-MB communication port adapter in all FX3U Series PLCs, except for FX3U-232ADP-MB used in the RS-232C mode.

6.3 Appendix
This appendix contains information that may be useful for the FX3U-232ADP-MB communication port adapter in all FX3U Series PLCs.

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