1. Introduction

Mitsubishi handy Programming Panel FX-30P (henceforth abbreviated as “FX-30P”) is a model used for on-line programming, monitor and test devices, etc., for a connected PLC.

2. Installation

2.1 Connection to a PLC

The FX-30P can be connected to the USB port of the personal computer.

2.2 Connection to a personal computer

The FX-30P can be connected to the USB port of the personal computer.

3. Specification

3.1 Applicable PLC

Exkes FX-30P can be connected to the USB port of the personal computer.

4. Power Supply Specification

The FX-30P requires a power supply of +5VDC ±10%.

5. Communication specification

The FX-30P supports a communication speed of 115.2 kbps.

6. Precautionary Precautions

PRECAUTIONS

7. Power Supply Precautions

The FX-30P requires a power supply of +5VDC ±10%.

8. Cautions for DC Output

The FX-30P requires a power supply of +5VDC ±10%.

9. Specification

The FX-30P requires a power supply of +5VDC ±10%.

10. Precautionary Precautions

PRECAUTIONS

11. Power Supply Precautions

The FX-30P requires a power supply of +5VDC ±10%.

12. Cautions for DC Output

The FX-30P requires a power supply of +5VDC ±10%.

13. External Dimensions and Port Names

Model name: FX-30P

- Power supply voltage: +5VDC ±10%
- Power supply current: 20mA
- Communication speed: 115.2 kbps
- Power supply: +5VDC ±10%
- Power supply current: 20mA
- Communication speed: 115.2 kbps

For more information, please refer to the FX-30P Operation Manual.
**Manual Number:** JY997D48601

## FX-30P INSTALLATION MANUAL

### 1. Introduction

Mitsubishi Electric’s FX-30P Power Supply Series automated as the FX-30P is primarily used in wide applications, including home automation, etc., for a connected FX Series PLC.

For the system configuration, refer to the FX-30P Operation Manual.

### 1.1 Major Features of the FX-30P

- The FX-30P is a compact, handheld program monitor.
- The FX-30P displays the program/PLC operation status (monitor), operation error message, and various error messages.
- The FX-30P is a separate module and can be used in a network structure.
- The FX-30P can back up programs written in offline mode using the built-in battery.
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### 1.2 Specifications

- **Power Supply Voltage:** 100 VAC (90 to 127 VAC), 200 VAC (180 to 240 VAC)
- **Input Current:** 300 mA (at 200 VAC)
- **Output Current:** 500 mA (at 100 VAC), 1.0 A (at 200 VAC)
- **Output Voltage:** 10.8 VDC (at 3A) for the FX Series PLC.

### 1.3 External Dimensions and Port Names

- **Display:** 128 x 64 characters
- **Keypad:** 20 keys
- **Port:** FX-30P series PLC connector
- **Dimensions:** 73 x 116 x 9 mm (excluding凸起部分)

### Associated Manuals

- **FX-30P Installation Manual**
- **FX-30P Operation Manual**
- **FX Series PLC User’s Manual**
- **FX Series PLC User’s Manual**

### 2. Installation

**Installation Precautions**

- **WARNING**
  - Ensure proper power source specification and grounding before connecting the FX-30P to the PLC. The FX-30P must be connected to the PLC with a programmable connector specification (O.S.E.A. or JICA).
  - Be sure to turn off the power supply to the PLC before connecting or disconnecting the FX-30P.
  - Be sure to use the FX-30P with the correct power supply voltage and current ratings.
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**Certification of UL, cUL standards**

- The FX-30P has been certified by UL and cUL standards (UL 60065, cUL 60065).
- The FX-30P is compliant with the applicable electrical safety standards.

### 3. Specifications

**Maintenance and Operations Precautions**

- **WARNING**
  - Be sure to observe all safety precautions and instructions before using the FX-30P.
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**Certification of UL, cUL standards**

- The FX-30P is compliant with the applicable electrical safety standards.
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**Specifications**

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**Performance Specifications**

- **Display:** 128 x 64 characters
- **Keypad:** 20 keys
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**External Dimensions and Port Names**

- **Display:** 128 x 64 characters
- **Keypad:** 20 keys
- **Port:** FX-30P series PLC connector
- **Dimensions:** 73 x 116 x 9 mm (excluding凸起部分)
2. Installation

CAUTION
- Use the product in the environment which complies with the environmental specifications described in this manual. Use the product in the environment with a temperature in which the product can be installed is extremely important.
- If the operating environment is below the specified temperature range, the unit may fail to start. When the product is installed in an air-conditioned room, it is important to verify if the temperature can be maintained.
- Do not connect the product directly to the power supply. Use a power supply with a voltage drop below the specified value.
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