FX3U-128ASL-M INSTALLATION MANUAL

3.2 Cable treatment

Make sure to observe the following precautions in order to prevent any accidents, electric shock, and malfunctions.

- Do not bundle the main circuit line together with or lay it close to the main circuit line, high-voltage line or load line.
- Do not bundle the control wire or control circuit with high-voltage lines or load lines.
- Make sure to have the following safety circuits outside of the PLC to ensure safe operation.

- Configure safety circuits, such as an emergency stop circuit and interlock circuit, an interlock circuit for opposite movements (such as normal vs. reverse).

2) Ground the shield wire or shield of the shielded cable at one point on the PLC side. (For the 2-wire system, ground one point on the PLC side.)

- Use shielded control wires, such as twisted-pair cables or shielded cables with a metallic shield, even if the grounded circuit is not used.

3) Do not apply the 24VDC power before wiring the entire AnyWireASLINK connection terminal block.

- Do not connect the main circuit and input/output terminals to the same power source.

- When the AnyWireASLINK connection terminal block is attached simultaneously with or before the power supply of the PLC main unit it is connected to.

- Use shielded control wires, such as twisted-pair cables or shielded cables with a metallic shield, even if the grounded circuit is not used.

4.3 Power supply and grounding wiring

- Make sure to have the following safety circuits outside of the PLC to ensure safe operation.

- Configure safety circuits, such as an emergency stop circuit and interlock circuit, an interlock circuit for opposite movements (such as normal vs. reverse).

- Do not bundle the control wire or control circuit with high-voltage lines or load lines.

- Make sure to have the following safety circuits outside of the PLC to ensure safe operation.

- Configure safety circuits, such as an emergency stop circuit and interlock circuit, an interlock circuit for opposite movements (such as normal vs. reverse).

4.4 Power on wiring

- Do not apply the 24VDC power before wiring the entire AnyWireASLINK connection terminal block.

- Do not connect the main circuit and input/output terminals to the same power source.

- When the AnyWireASLINK connection terminal block is attached simultaneously with or before the power supply of the PLC main unit it is connected to.

- Use shielded control wires, such as twisted-pair cables or shielded cables with a metallic shield, even if the grounded circuit is not used.

- Do not bundle the main circuit line together with or lay it close to the main circuit line, high-voltage line or load line.

- Do not bundle the control wire or control circuit with high-voltage lines or load lines.

- Make sure to have the following safety circuits outside of the PLC to ensure safe operation.

- Configure safety circuits, such as an emergency stop circuit and interlock circuit, an interlock circuit for opposite movements (such as normal vs. reverse).

5.1 Application of the standards

When the AnyWireASLINK connection terminal block is attached simultaneously with or before the power supply of the PLC main unit it is connected to.

- Use shielded control wires, such as twisted-pair cables or shielded cables with a metallic shield, even if the grounded circuit is not used.

- Do not bundle the main circuit line together with or lay it close to the main circuit line, high-voltage line or load line.

- Do not bundle the control wire or control circuit with high-voltage lines or load lines.

- Make sure to have the following safety circuits outside of the PLC to ensure safe operation.

- Configure safety circuits, such as an emergency stop circuit and interlock circuit, an interlock circuit for opposite movements (such as normal vs. reverse).

6.2 Compliance with CE directive (Product Marking)

This product has been manufactured under strict quality control. However, This product has Not been designed for use in purposes related to human life.

- This product has been manufactured as a general-purpose part for general equipment and industrial use. The user is responsible for ensuring that this product is used in a manner that complies with all applicable laws and regulations.

- This product has Not been designed for use in purposes related to human life.

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For wiring details, refer to the following manuals.

For installation details, refer to the following manuals.

For product manuals or documents, consult with the Mitsubishi Electric dealer from whom the product was purchased.

For product manuals, consult with the Mitsubishi Electric dealer from whom the product was purchased.
**Precautions Regarding and Specifications**

The FX3U-128ASL-M is jointly developed and manufactured by Mitsubishi and Anywire Corporation, and is a programmable logic controller. This product strictly complies with safety and standard specifications of the product. Before using the product, read this manual and the manuals of all systems. Programmable controllers other than those listed below are not connectable.

### 1. Outline

**Applicability**

Use UL-listed solderless terminals and, for processing, use a tool recommended by Mitsubishi Electric Corporation. The AnyWireASLink connection terminal block (hereafter referred to as the terminal block) is used for the FX3U-128ASL-M system with the AnyWireASLink system.

This product is a precision instrument. During transportation, avoid impacts larger than those specified in the specification. The product is a precision instrument. During transportation, avoid impacts larger than those specified in the specification. The product is a precision instrument. During transportation, avoid impacts larger than those specified in the specification.

### 2. Wiring

**WIRING**

- When the AnyWireASLink connection terminal block is attached to the PLC main unit, while the voltage is set to 24 V DC, the terminals require no wiring. The input/output terminals are already connected to the PLC main unit. (The order is inverted when the system is powered off.)

**Screws**

- If the PLC main unit is powered on before the 24 V DC external power supply in the terminal block is powered on, damage to the PLC main unit or cables or malfunction due to poor contact may occur. The transmission distance may not be extended.

**Extension cables**

- Connect extension cables securely to their designated connectors. Do not connect soldered cables directly to the terminals. Doing so may cause device failures or malfunctions.

### 3. Performance Specifications

**3.1 Outline and Features**

The FX3U-128ASL-M is a special function block for building an AnyWireASLink system. It has the following features:

- **Compatibility**
  - The FX3U-128ASL-M supports the AnyWireASLink system with the FX3U-128ASL-M hard disk system. It also supports the AnyWireASLink system with the FX3U-128ASL-M hard disk system.
  - The FX3U-128ASL-M supports the AnyWireASLink system with the FX3U-128ASL-M hard disk system.

**3.2 Specifications**

- **Number of points**
  - 128 points
- **Power supply specifications**
  - **Power supply**
    - VCC: 24 V DC
  - **Driver power**
    - VCC: 24 V DC

**3.3 Wiring Precautions**

- **3.3.1 Transistor output**
  - The voltage should not fall below the lower limit of the allowable voltage range due to voltage drop caused by the cable length or cable resistance.

**3.4 Power Supply and Grounding Winding**

- **3.4.1 Power Supply**
  - The PLC must be powered on before the 24 V DC external power supply in the terminal block is powered on.

**3.5 Performance Specifications**

- **8.1 Outline and Features**
  - The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device.

**9.1 Compliance with EEC directive (CE marking)**

- The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device.

**9.2 Other**

- **Other Requirements**
  - The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device.

**9.3 Safety Precautions**

- **10.1 Safety Precautions**
  - The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device.

**9.4 Appendix**

- **Appendix A**
  - The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device.

**Appendix B**

- **Appendix B**
  - The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device.

**Appendix C**

- **Appendix C**
  - The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device.

**Appendix D**

- **Appendix D**
  - The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device.

**Appendix E**

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  - The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device. The terminal block is used to connect the PLC main unit to an external device.

**Appendix F**

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**Appendix G**

- **Appendix G**
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