### 3. Handling Cautions

- **If no remote modules are attached during power ON, no L ERR shown.**
- **If such an interlock circuit is not provided, accidents may be caused by erroneous output or malfunction.**
- **For repair, contact your local Mitsubishi Electric representative.**

### 4. Connection of External Equipment

1. **Mounting**
   - **When using screw holes:** Place the master block so that the mounting screw holes are in line with the external box. Ensure the vertical and horizontal axes are parallel to each other.
   - **When using DIN rails:** Align the top of the DIN rail installation groove in the module with the DIN rail, and press the module on to the DIN rail.

### 5. Specifications

#### 5.1 General Specifications

- **Dimensions:** 
  - Length: 71.5 mm
  - Width: 71.5 mm
  - Height: 18.4 mm

- **Weight:** 0.15 kg

- **Electrical Specifications:**
  - Voltage: 240 V AC or less*3
  - Current:
    - Initial current: 35 mA
    - Consumption: 25 mA

### 5.2 Network wiring specifications

- **Communication speed:**
  - 2.5 Mbps
  - 625 kbps
  - 156 kbps

- **Protocol:**
  - Broadcast polling + Tri-state (selectable by DIP switch)

### 5.3 Performance specifications

- **Applicable PLC:**
  - FX3GC/FX3UC Series: Up to 5
  - FX2NC Series: Up to 3
  - (FX2NC-CNV-IF is required when FX2NC is used, please contact your local Mitsubishi Electric representative.)

- **Communication speed:**
  - 2.5 Mbps
  - 625 kbps
  - 156 kbps

- **Error control method:**
  - Error rate: 0.7 ms
  - Transmission error: 1.0 ms

- **RAS function:**
  - On: Communication speed setting error occurred
  - Off: Data link is being executed normally
  - Flickering: Stations are abnormal

### 6. External Dimensions

- **Module size:**
  - Width: 75 mm
  - Height: 28 mm

### 7. Standards

- **With which this product complies:**
  - IEC 61131-2
  - IEC 61730-2
  - IEC 61794-1
  - IEC 61794-3
  - IEC 61794-4
  - IEC 61794-5
  - IEC 61794-6
  - IEC 61794-10

### 8. Accessories

- **Included Accessories:**
  - J2C cable (1 m)
  - DIP switch (10 pieces)

- **Optional Accessories:**
  - J2C cable (5 m)
  - DIP switch (10 pieces)

### Notes

- This symbol mark for CE mark only.
- This product is designed for use in industrial applications.
- This product complies with all relevant aspects of the applicable harmonized standards.
- This product is not intended for use in the healthcare sector or patient care.
- The product is not designed to perform any specific functions, such as power control, energy management, or passenger movement control.

### Warranty

- Mitsubishi Electric shall not be liable for any damages or losses caused by the product in any way.
- Warranty is void if the product is modified or repaired by any entity other than Mitsubishi Electric.

### For safe use

- This product has been designed and manufactured as a general-purpose module, and has been designed to be used in industrial applications. Please take all necessary precautions to ensure safe use.
- Before using the product for specific purposes such as power control, energy management, or passenger movement control, please consult your local Mitsubishi Electric representative.
When removing the module, pull the installation hook downwards, and align the upper DIN rail installation groove in the module with the DIN rail. Use the master block without applying any force on the cable.

- If a remote module is removed during operation, no L ERR will be shown.
- Test mode is selected when both the CONFIG and TEST modes are set.
- Factory default, all bits of the DIP switch are set to OFF.

Specifications are subject to change without notice.

This product is designed for use in industrial applications.

- Do not disassemble or modify the master block. Doing so may cause fire, damaged or malfunction.
- Do not touch any terminal while the PLC's power is ON. It may cause an electric shock or damage to the product.
- Do not touch the DIP switch with the PLC's power ON. It may cause an electric shock or damage to the product.
- Make sure that this is OFF during operation.
- For the CC-Link/LT connection cable point of contact, the connection cable and the dedicated CC-Link/LT connector.

### 6. External Dimensions

Note: This symbol mark is for China only.

The FX2N-64CL-M must be installed in a selected nest control panel. The FX2N-64CL-M is a master block. If the master block is installed in a Zone B+ or Zone C station, the distance between the master block and the PLC must be 500 m or less. The terminal end and the wiring for the following table can be used in Zone B+.

### 5.3 Performance specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum rated voltage supply</td>
<td>24 V DC</td>
</tr>
<tr>
<td>Maximum rated current supply</td>
<td>2 A</td>
</tr>
<tr>
<td>Maximum rated power supply</td>
<td>3 W</td>
</tr>
<tr>
<td>Maximum rated current consumption</td>
<td>800 mA</td>
</tr>
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</tr>
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</tr>
</tbody>
</table>

### 4. Connection of External Equipment

1. Control the master block to a remote I/O unit or power adapter using the connection cable previously used for the remote I/O station. The connection cable must be connected to both ends of the master block. The master block is connected to the PLC via CC-Link/LT communication. The master block contains the master block control and the connection cable with the PLC.

2. Installation

- Use the product in the general purpose environment where the product is not subject to shock, mechanical shock, humidity, condensation, or rain. The product may not function properly if it is used in an environment subject to shock, mechanical shock, humidity, condensation, or rain.

- Turn off the power supply before installing or removing any force on the master block.

- For the CC-Link/LT connection cable point of contact, the connection cable and the dedicated CC-Link/LT connector.

3. DOI mounting

- Align the upper DIN rail installation groove in the module with the DIN rail, and pull the installation hook downwards, and align the upper DIN rail installation groove in the module with the DIN rail.

- When removing the module, pull the installation hook downwards, and align the upper DIN rail installation groove in the module with the DIN rail.

- If the master block is installed in a Zone B+ station, the distance between the master block and the PLC must be 500 m or less.

- For the FX2N-64CL-M models, the main unit and master block are connected to the master block and a substation.

- For the VFC cable specifications, refer to the FX2N-64CL-USER'S MANUAL (Detailed Volume).
LA Master Block Users Manual.

Programmable Logic Controller (PLC).

This manual describes the name of each part, external dimensions and specifications of the CC-LINK/LT master block for the Mitsubishi FX Series Programmable Controllers. For details on the CC-LINK/LT system, refer to the CC-LINK/LT User’s Manual (Detailed Version).

Note: Specifications are subject to change without notice.

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**SAFETY PRECAUTIONS**

Three types of icons are classified into two categories: "WARNING" and "CAUTION".

**WARNING**

- Should cause death or serious injury if not properly handled.

- Procedure which may result in damage to the equipment or injury to another person in the event of non-compliance.

- CAUTION

- May cause minor injury or damage to the equipment if not handled properly.

- Procedure which may result in damage to the equipment or injury to another person in the event of non-compliance.

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**DIAGNOSIS PRECAUTIONS**

As a result of the improvement in performance, a connected device system may be susceptible to electromagnetic interference. When installing and operating this equipment, the specifications described therein shall be followed to ensure proper operation.

- Do not install the CC-LINK/LT connection cable together with major circuits or power cables.

- Do not install the CC-LINK/LT connection cable on the DIN rail. (The total 5 V consumption of all special function blocks connected to the main unit and another two on the extension unit. The total 5 V consumption of all special function blocks connected to the main unit and another two on the extension unit.

- Do not touch the module with the module's power on. If it causes an electric shock, the equipment may be damaged.

- Never use the product in areas with excessive dust, oily smoke, foreign objects such as cutting chips and wiring chips do not enter the inside.

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**INSTALLATION PRECAUTIONS**

For correct installation, follow the procedures described herein to avoid damage to the product.

- Be careful to avoid electric shock or electric damage to the product.

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**DISPOSAL PRECAUTIONS**

If the equipment is no longer required, follow the procedures described herein to avoid electric shock or electric damage to the product.

- Be careful to avoid electric shock or electric damage to the product.

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**PRECAUTIONS**

This section describes the precautions for safe operation.

- Use the master block without applying any force on the master block.

- Correctly wire the master block while confirming the rated voltage and resistance.

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