1. Outline

The FX3S-5DM display module (hereafter called display module) is installed to the FX3S Series main unit or expansion board to monitor/change device states and values.

1.1 Incorporated Items

- Product: FX3S-5DM display module
- Included items: Installation Manual (This manual)

1.2 External Dimensions and Part Names

![Image of external dimensions and part names]

**Unit:** mm (inches)

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>“OK” button</td>
<td>Used to choose the item, set the value, etc.</td>
</tr>
<tr>
<td>2</td>
<td>“*” button</td>
<td>Used to move cursor or set the value.</td>
</tr>
<tr>
<td>3</td>
<td>“-” button</td>
<td>Used to move cursor or set the value.</td>
</tr>
<tr>
<td>4</td>
<td>“+” button</td>
<td>Used to move cursor or set the value.</td>
</tr>
<tr>
<td>5</td>
<td>“ESC” button</td>
<td>Used to cancel operation or return to previous screen.</td>
</tr>
<tr>
<td>6</td>
<td>Display</td>
<td>Displays current time and monitored status of device.</td>
</tr>
<tr>
<td>7</td>
<td>Display module fixing hook</td>
<td>Used to fix display module to PLC. (When used together with an expansion board)</td>
</tr>
<tr>
<td>8</td>
<td>Connector for PLC</td>
<td>Used to connect display module to PLC.</td>
</tr>
</tbody>
</table>

2. Installation

**Installation PRECAUTIONS**

- Make sure to cut off all phases of the power supply externally before attempting installation or wiring work.
- Failure to do so may cause electric shock or damage to the product.

**Installation PRECAUTIONS**

- Use the product within the given environmental specifications described in PLC main unit manual (Hardware Edition). Never use the product in areas with excessive dust, oil smoke, corrosive dusts like corrosive gas (air, CO, H2 S, SO2, or NO2), flammable gases, vibration, or impacts, or expose it to high temperature, condensation, or rain and wind.
- If the product is used in such conditions, electric shock, fire, malfunctions, deterioration or damage may occur.
- Do not touch the conductive parts of the product directly. Doing so may cause device failures or malfunctions.
- Connect the display module securely to the appropriate connector. Loose connections may cause malfunctions.

3. Specifications

3.1 Applicable PLC

- FX3S Series PLC
- Ver. 1.20 or later

3.2 General Specifications

- The general specifications are equivalent to the PLC main unit. For detailed specifications, refer to the following manuals:

3.3 Display Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display device</td>
<td>TN monochrome liquid crystal display</td>
</tr>
<tr>
<td>Display character</td>
<td>Seven-segment display</td>
</tr>
<tr>
<td>Backlight</td>
<td>Green LED backlight</td>
</tr>
<tr>
<td>Button</td>
<td>6 operation buttons (ESC, +, -, and OK)</td>
</tr>
</tbody>
</table>

4. Function List

- The functions of a display module are listed as follows:
- For details on the functions, refer to the following manuals:

For safe use

- This product has been manufactured as a general-purpose part for general industries, and has not been designed or manufactured to be incorporated in a device or system used in purposes related to human life.
- Before using the product for special purposes such as nuclear power, electric power, aerospace, medicine or passenger movement vehicles, consult with Mitsubishi Electric.
- This product has been manufactured under strict quality control. However, in case any part of the product where major accidents or losses could occur if the product fails, install appropriate backup or fail-safe functions in the system.

For warranty

- Regardless of the gratis warranty term, Mitsubishi shall not be liable for compensation to:
  1. Damages caused by any cause found not to be the responsibility of Mitsubishi.
  2. Special damages and secondary damages whether foreseeable or not, compensation for accidents, and compensation for damages to products other than Mitsubishi products.
  3. Replacement by the user, maintenance of on-site equipment, start-up test run and other tasks.

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HEAD OFFICE : TOKYO BUILDING, 2-7-3 MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN

Note: This symbol mark is for China only.

Table: Product中有害物质名称及含量

<table>
<thead>
<tr>
<th>部件名称</th>
<th>铅 (Pb)</th>
<th>镍 (Ni)</th>
<th>锰 (Mn)</th>
<th>铬 (Cr)</th>
<th>铜 (Cu)</th>
<th>锌 (Zn)</th>
<th>钢 (C)</th>
<th>铝 (Al)</th>
<th>多溴联苯 (PBDE)</th>
<th>多溴联苯醚 (PBB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>外壳</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
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</tr>
</tbody>
</table>

- This table is based on SJ/T 11364.4-2006. The values in this table indicate the conformance with China’s standard GB/T 26572. The values in this table indicate the conformance with China’s standard GB/T 26572.

- This table is based on GB/T 19078. 2